

Hamilton County Maternal and Child Health Assessment



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HAMILTON COUNTY
FAMILY AND CHILDREN FIRST COUNCIL

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Introduction

The Hamilton County Maternal and Child Health Assessment (MCHA) is an essential tool in identifying the county's needs, as well as its areas of progress in improving child and family health. The purpose of the assessment is to:

- Describe the current status of maternal/child health in Hamilton County overall and in population groups
- Track trends in maternal/child health
- Inform community planning and policy making
- Monitor impacts of policy decisions and investments

Main Topics in the Hamilton County Maternal and Child Health Assessment

The Hamilton County Child and Family Health Services Consortium has published the MCHA annually since 1999. This year's MCHA updates some of the data from previous reports with the most recent data currently available from federal, state, and local agencies. It also includes selected indicators of well-being in the general adult population because of the importance of adult health for children's health.

The report includes the following topics related to maternal and child health in Hamilton County (and for the State of Ohio for comparison purposes, where data were available):

- Population characteristics and trends
- Child and family economic well-being
- Access to health care
- Preterm and very preterm births
- Low and very low birth-weight
- Births to unmarried women
- Teen births
- Breastfeeding
- Smoking and pregnancy
- Pregnancy and overweight
- Childhood overweight
- Children with asthma
- Childhood lead poisoning
- Infant mortality by cause of death
- Child, adolescent, and young adult mortality by cause of death
- Early childhood immunization
- Oral health care
- Sexually transmitted diseases: HIV/AIDS
- Rates of selected types of cancer

In order to include all the Community Health Assessment indicators noted in the Child and Family Health Services Program Competitive Grant Application, we have included tables and figures from previous years for those indicators where no newer data were available as of this writing.

Data Sources

The indicator data in this report were obtained from the following federal, state, and local government and nonprofit agencies:

- Hamilton County Child Fatality Review Team
- Ohio Department of Health¹
- Ohio Department of Job & Family Services
- U.S. Bureau of the Census
- U.S. Department of Labor Bureau of Labor Statistics
- Data from the National Center for Health Statistics were used for denominators when calculating rates. (Estimates of the July 1, 2000-July 1, 2010, United States resident population from the Vintage 2010 postcensal series by year, county, age, sex, race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. Available on the Internet from: <http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm>. (February 2012).)

¹ These data were provided by the Center for Health Data and Statistics and other divisions of Ohio Department of Health. The Department specifically disclaims responsibility for any analyses, interpretations or conclusions.

Key Findings

Economic Well-Being

Encouraging Trend:

- After increasing every year between 2007 and 2010, Hamilton County's unemployment rate decreased from 9.4% in 2010 to 8.6% in 2011, mirroring statewide trends in the unemployment rate, which decreased from 10.0% to 8.6% in that time period. However, 2011 unemployment rates in both Hamilton County and the state remained three points or more above the pre-recession rates in 2007. [Table 8]

Areas of Concern:

- Nearly 30% (28.9%) of children below age 18 in Hamilton County were below poverty in 2010, by far the highest rate in the past decade and higher than the statewide rate of 23.3% in 2010. Almost two-thirds (61.6%) of the county's children living in female-headed households were below poverty. [Table 9 through Table 11]
- Hamilton County's child poverty rate was 1.6 times higher than the poverty rate for the county's total population, 18.4%. The total rate in 2010 continued the upward rate that began in 2008 and, like the child poverty rate, was the highest this decade. [Table 9 and Table 10]
- In 2010, 44.9% of children and 34.9% of the total population in Hamilton County were under 200% of poverty, the same as the statewide percentages. [Table 12 and Table 13]
- In both the county and the state, rates of receiving Medicaid rose almost every year between 2003 and 2011, with a much higher rate of increase between 2007 and 2011 than between 2003 and 2007. State and county rates in 2011 were the highest of any year between 2003 and 2011. For the first time since 2003, the county rate in 2011 was higher than the state rate (185.9 compared to 179.3 per 1,000 population). [Figure 1]
- Hamilton County experienced dramatic increases in rates of receiving both TANF and Food Stamps between 2009 and 2011, and these increases were much greater than statewide increases. The county's adult and child rates of receiving TANF remained above statewide rates between 2003 and 2011. The reverse was true for Food Stamps until 2011, when the Hamilton County rate was higher than the statewide rate (162.8 versus 152.2 per 1,000 population). [Figure 2 and Figure 3]

Access to Health Care

Encouraging Trend:

- The percent of Hamilton County's children without health insurance decreased between 2004 and 2008, from 5.6% to 4.3%. However, the adult uninsured rate was more than three times higher than the child rate in 2008 and increased slightly between 2004 and 2008, both in the county and statewide. [Table 14]

Areas of Concern:

- Hamilton County, with 4.3% of children without health insurance in 2008, ranked 4th highest among Ohio's 12 metropolitan counties. The average for all metropolitan counties was 3.9%, and the statewide average was 4.0%. [Figure 4]

- The county ranked 4th highest among metropolitan counties for children without dental coverage, 18.0%, compared to 17.3% for all metropolitan counties and 18.3% statewide. [Figure 5]
- Hamilton County tied for 5th highest percentage among metropolitan counties for children without vision coverage, 22.2%, compared to 21.4% for all metropolitan counties and 22.4% statewide. [Figure 6]
- The county had the highest percentage of children without drug coverage among Ohio's metropolitan counties, 8.6%, compared to 6.5% for all metropolitan counties and 6.9% statewide. [Figure 7]
- Nearly half of all Hamilton County children were enrolled in Medicaid, and nearly half of all births in the county were paid for by Medicaid. [Table 16 and Table 17]

Birth Outcomes

Encouraging Trends:

- The 2010 percentage of preterm births in Hamilton County, 13.8%, continued the general downward trend since the 20-year peak in 2005 of 15.7%. However, the rate remained higher than rates between 1990 and 2004 and above statewide rates every year but one between 1990 and 2010. [Figure 9]
- The percent of preterm births among Hamilton County teens aged 18 to 19 remained steady from 2008 to 2010, but showed a small spike in 2009. [Figure 12]

Areas of Concern:

- While the rates of very preterm births have remained fairly steady over time, there has been a steady increase from 2.3 in 2006 to 3.0 in 2010 in Hamilton County. Statewide rates were lower than Hamilton County rates every year since 1990 (2.4 in 2010). [Figure 10]
- After having declined for three years, the percent of preterm births among Hamilton County teens aged 15 to 17 rose slightly in 2009 and 2010, remaining higher than rates between 1990 and 2004 and statewide rates for the same age group. [Figure 11]
- Although the 2010 percent of low birth-weight births showed a small decrease for the third year in a row in Hamilton County (9.7%), it remained higher in both Hamilton County and the state than in the 1990s. Hamilton County had a higher percent than the state every year. [Figure 14]
- The percent of low birth-weight births was consistently higher among infants enrolled in WIC than among the general population of infants, both in Hamilton County and the state. [Table 22 and Figure 14]
- The percent of preterm births and low birth-weight babies was consistently higher among African-American women in Hamilton County than among white and Hispanic women. [Figure 13 and Figure 17]

Births to Unmarried Women

Area of Concern:

- The proportion of births to unmarried women has been increasing over time, hitting the 50% mark in Hamilton County in 2006. This rate has continued to increase. In 2010, 52.2% of the births in Hamilton County were to unmarried women. Rates have also been

increasing in the state, but are lower than in Hamilton County (43.7% in 2010).
[Figure 18]

Teen Births

Encouraging Trends:

- The 2010 birth rate for teen women aged 15 to 17, 17.5 live births per 1,000 women in this age group, was the lowest in the period since 1990 (44.4 birth per 1,000) and was less than half the peak rate in the last two decades (49.5 in 1993). There have been similar trends for teen women aged 18 to 19, with birth rates of 60.5 per 1,000 in 2010 versus 114.1 in 1990. In both age groups, the gap between Hamilton County and state rates has been decreasing since the early 1990s, and is now about the same. [Figure 19 and Figure 20]
- Among both white and African-American teens aged 15 to 17, the 2010 birth rate was nearly a third the rates seen in the early 1990s, and the lowest observed since 1990. [Figure 21]
- Likewise, the birth rate for white and African-American teens aged 18 to 19 also continued to decline in 2010 to the lowest rate seen since 1990.. [Figure 22]

Areas of Concern:

- African-American teen birth rates in Hamilton County were about three times white teen birth rates between 1990 and 2010, among both 15-to-17 year olds and 18-to-19 year olds. [Figure 21 and Figure 22]
- Since 2003, Hispanic women have had the highest teen birth rates of the three race/ethnic groups. However, these rates have decreased in 2010 compared to 2009. [Figure 21 and Figure 22]

Breastfeeding

Encouraging Trend:

- Although there were no data on breastfeeding prevalence in the general population of Hamilton County women with infants, Hamilton County WIC data showed a steady increase in the percentage of enrolled infants who had ever been breastfed, from 34.5% in 2002 to 52.4% in 2010. The trend and rates were similar statewide. [Figure 23 and Table 23]

Smoking and Pregnancy

Encouraging Trend:

- The percentage of WIC-enrolled women in Hamilton County who smoked three months prior to pregnancy but quit smoking by their first prenatal visit increased, from 34.9% in 2002 to 40.0% in 2010. These rates were lower statewide (33.6% in 2010) and have remained about the same since 2003. [Table 25]

Although 13.2% of pregnant women enrolled in WIC in Hamilton County smoked during the last three months of pregnancy in 2010, these rates have decreased since 2002 (18.8%), and (18.8%), and Hamilton County rates were lower than statewide rates (20.7% in 2010) throughout this time period. [

- Table 24]

Areas of Concern:

- One in seven (14.2%) of Hamilton County women smoked during pregnancy in 2010, as did 17.8% of women statewide. These rates have remained relatively stable since 2000. [Figure 24]
- More than one in five (22.0%) pregnant women enrolled in WIC in Hamilton County lived in households in which at least one person smoked during the prenatal period, and one-fifth (19.6%) lived in households with smoking during the postpartum period. Between 2002 and 2010, the rates of smoking in the household remained about the same in both the prenatal and postpartum periods. The statewide rates in both periods were substantially higher than the Hamilton County rates, with more than one-third of pregnant women enrolled in WIC living in households in which at least one person smoked during the prenatal period and one-third living in households in which at least one person smoked during the postnatal period. [Error! Reference source not found. through Table 27 and Figure 24]

Pregnancy and Overweight

Area of Concern:

- More than half (57.6%) of WIC-enrolled Hamilton County women were overweight prepregnancy in 2010 and half experienced weight gain during pregnancy that was higher than ideal. WIC-enrolled women statewide had similar percentages of prepregnancy overweight and weight gain during pregnancy that was higher than ideal. [Figure 25]

Childhood Overweight

Areas of Concern:

- Among the county's WIC children ages 2 up to 5 in 2010, 17.4% were overweight and 13.9% were obese, a total of 31.3%, nearly 1 in 3. Children whose BMI-for-age is in the 85th to just below the 95th percentile are considered "overweight," while children whose BMI-for-age is at or above the 95th percentile are considered "obese" [Figure 26]
- The percent of overweight and obesity among WIC children ages 2 up to 5 increased in both Hamilton County and the state between 2002 and 2010, and the rate of increase was greater in the county than in the state. [Table 28]

Children with Asthma

Area of Concern:

- One in six Hamilton County children (16.2%) had ever been diagnosed with asthma in 2008, about average for the 12 metropolitan counties and slightly higher than the state, 15.4%. [Figure 27]

Childhood Lead Poisoning

Encouraging Trends:

- The portion of Hamilton County outside of Cincinnati showed an increase between 2004 and 2009 in the number of children aged birth to 72 months screened for lead poisoning. [Table 29]

- Cincinnati had steady decreases between 1999 and 2009 in the percentage of screened children who exhibited elevated blood-lead levels, 1.6% in 2009 compared to 7.5% in 1999. The state experienced the same trend. [Table 29]

Areas of Concern:

- After showing steady increases in the number of children screened for lead poisoning between 2000 and 2008, Cincinnati and the state had a decrease in 2009. [Table 29]
- The rest of Hamilton County, after showing steady decreases in the percentage of screened children who exhibited elevated blood-lead levels between 2002 and 2008, had an increase between 2008 (0.5%) and 2009 (1.1%). [Table 29]

Infant, Child, Adolescent, and Young Adult Mortality

Encouraging Trend:

- The total child death rate in Hamilton County continued to decline in 2009 (74.3 deaths per 100,000 children aged 0-17 years of age) compared to 2008 (78.6) and 2007 (85.3). [Figure 28]
- The death rate for children ages 1 to 4 generally declined between 1991 and 2008. [Figure 33]

Areas of Concern:

- The total child death rate was consistently at least two to three times higher among African-Americans than among whites between 2000 and 2009. [Figure 30]
- Hamilton County's infant mortality rates showed no regular pattern of increase or decrease between 1990 and 2010 (10.5 infant deaths per 1,000 live births in 2010). The county's rates remained above statewide rates throughout that period. [Figure 31]
- In nearly all years between 1990 and 2010, the African-American infant mortality rate was more than twice as high as the white rate (17.6 versus 7.4 in 2010). [Figure 32]
- The most common causes of infant deaths were related to preterm births and low birth-weight, accounting for nearly 1 in 5 infant deaths in Hamilton County in 2010, and congenital malformations, deformations and chromosomal abnormalities, also accounting for about 1 in 5 infant deaths. [Table 30]
- Death rates for ages 15 to 24 showed a substantial increase (76.1 deaths per 100,000 in 2008) after a low mark in 1996 of 38.6. [Figure 35]
- Suicide rates for males ages 15 to 24 increased in the most recent reporting period (2006-2008) compared to previous reporting periods, from about 13 per 100,000 to about 19 per 100,000. Females also showed an increase in suicide rates during the same period, from 1.1 to 6.2, although the rates were much lower than male rates. [Table 31]

Early Childhood Immunization

Encouraging Trend:

- In 2008, the cities of Cincinnati and Toledo had the highest immunization rates among the eight largest Ohio cities, with 73% of kindergarten children having complete coverage by 24 months of age. [Figure 36]

- Among the eight largest cities, Cincinnati was second only to Toledo in the increase in immunization rates between 1992 and 2008, increasing from 38% to 73% of children fully immunized by 24 months of age. [Figure 30 and Table 32]
- Cincinnati's suburbs were fourth highest among selected suburbs of the eight largest cities in rate increases during this time period, increasing from 46% to 81%. [Figure 30 and Table 32]

Areas of Concern:

- However, Cincinnati's suburbs were next to the lowest in suburban immunization rates in 2008, 81%, with only Canton suburbs having a lower rate. [Figure 36]
- Among all large cities, there was a gap between city and suburban rates, ranging from 8% in Cincinnati to 25% in Cleveland. [Figure 36]

Oral Health Care

Encouraging Trend:

- Ninety percent of eligible schools in Hamilton County participated in the school-based dental sealant program in the 2008/09 school year, compared to 57.2% statewide. [Table 33]

Areas of Concern:

- In 2008, 1 in 8 children under age 18 (12.1%) had never visited a dentist, and 13.2% had visited a dentist but not in the past year, about the same as statewide. Three-quarters of children had visited a dentist in the past year. [Table 34]
- After increasing between 2006 and 2007, the percent of Hamilton County's Medicaid-enrolled children that had visited a dentist in the past year remained about the same in 2008, 16.5% of birth-to-2 year olds and 42.9% of 3-to-18 year olds. These rates were far lower than the rates of dental visits among the general population of children. [Table 34 and Table 35]

Sexually Transmitted Diseases

Chlamydia

Areas of Concern:

- Chlamydia rates appear to have decreased in Hamilton County from 2007 to 2009, but in 2010 increased again. However, the 2010 rates (749.3 diagnosed cases per 100,000 population) are still lower than the peak in 2007 of 818.9 diagnosed cases per 100,000 population. [Figure 38]
- In 2010, rates of Chlamydia were quite high in the city of Cincinnati (1,914 per 100,000 population), more than twice the rates observed in Hamilton County as a whole (749 per 100,000). The rates in Hamilton County, however, were higher than what was observed in the state as a whole in 2010 (446 per 100,000). [Figure 39]

Gonorrhea

Encouraging Trend:

- The rates of gonorrhea declined significantly from 2007 (417 diagnosed cases per 100,000 population) to 2009 (291). From 2009 to 2010, rates remained relatively stable. [Figure 40]

Areas of Concern:

- The rates of gonorrhea have always been higher in Hamilton County than in the state as a whole. [Figure 40]
- As with Chlamydia, rates of gonorrhea were more than twice as high in Cincinnati than in Hamilton County as a whole. Rates of gonorrhea in Hamilton County were about twice as high as for the state as a whole. [Figure 41]

Syphilis

Areas of Concern:

- After having declined in the second half of the 1990s, rates of syphilis in Hamilton County increased dramatically the last couple of years, from 8.5 diagnosed cases per 100,000 population in 2008, to 23.0 in 2009 and to 49.9 in 2010. [Figure 42]
- In 2001, the rates of syphilis in Hamilton County and the state of Ohio were identical at 2.7 diagnosed cases per 100,000 population. By 2010, the rates in the state had about tripled to 9.7, while the rates had increased 18-fold in Hamilton County to 49.9. [Figure 43 and Table 39]

HIV/AIDS

Areas of Concern:

- The rate of persons living with HIV/AIDS remained stable in Hamilton County from 2007 to 2008, after having increased in every previous year since 2001, but then increased again from 2008 to 2009. [Figure 44]
- The rate of persons living with HIV/AIDS was at least 3 times higher among African-Americans than among whites in Hamilton County and the gap widened between 2000 and 2009. [Figure 46]

Cancer Rates

Encouraging Trends:

- The female breast cancer rate in Hamilton County was slightly lower in the 2003-2007 period compared to earlier years, and decreased slightly from 2006, when it was 120.3 per 100,000 women, to 116.4 per 100,000 women in 2007. [Table 40]
- Cervical cancer rates in Hamilton County were lower in 2006 (4.0 cases per 100,000 women) and 2007 (5.0) than in previous years. [Table 41]
- Ovarian cancer rates in Hamilton County have also seen a slight decline in the past few years, to 9.4 cases per 100,000 women in 2007. [Table 42]
- Uterine cancer rates in Hamilton County have remained fairly steady during the 2000s. [Table 43]

Population Trends

Table 1: Population trends in Hamilton County and Ohio, 1990, 2000 and 2010

Age Group		1990	2000	2010	% Change 1990-2010	% Change 2000-2010
Hamilton County	Under 18	224,930	218,174	189,640	-15.7%	-13.1%
	<5	67,699	56,548	53,269	-21.3%	-5.8%
	5 to 14	122,127	124,541	103,124	-15.6%	-17.2%
	15 to 17	35,104	37,085	33,247	-5.3%	-10.3%
	18 to 64	525,870	513,228	505,871	-3.8%	-1.4%
	65 or more	115,430	113,898	106,863	-7.4%	-6.2%
	Total	866,230	845,300	802,374	-7.4%	-5.1%
Ohio	Under 18	2,799,744	2,888,339	2,730,751	-2.5%	-5.5%
	<5	787,898	754,930	720,856	-8.5%	-4.5%
	5 to 14	1,542,329	1,644,157	1,522,588	-1.3%	-7.4%
	15 to 17	469,517	489,252	487,307	3.8%	-0.4%
	18 to 64	6,640,410	6,957,044	7,183,738	8.2%	3.3%
	65 or more	1,406,961	1,507,757	1,622,015	15.3%	7.6%
	Total	10,847,115	11,353,140	11,536,504	6.4%	1.6%

Sources: 1990: U. S. Bureau of the Census, 1990 Census, Table QT-P1A. 2000: U. S. Bureau of the Census, 2000 Census. 2009: Postcensus population estimates available from the National Center for Health Statistics and prepared under a collaborative arrangement with the U.S. Census Bureau, http://www.cdc.gov/nchs/nvss/bridged_race.htm?vm=r

Table 2: Female population aged 13 to 44, Hamilton County and Ohio, 2001-2010

Year	Ohio	Hamilton County
2001	2,586,179	199,535
2002	2,568,480	197,568
2003	2,550,927	195,590
2004	2,533,888	193,829
2005	2,512,019	192,136
2006	2,487,456	190,611
2007	2,466,958	190,442
2008	2,443,372	188,153
2009	2,420,970	187,293
2010	2,386,368	174,032
% change 2001-2010	-7.7%	-12.8%

Source: Postcensus population estimates available from the National Center for Health Statistics and prepared under a collaborative arrangement with the U.S. Census Bureau, http://www.cdc.gov/nchs/nvss/bridged_race.htm?vm=r.

Table 3: Race/ethnic trends in Hamilton County, 2000 and 2010

Group	2000		2010		% Change 2000-2009
	Number	Percent	Number	Percent	
White/Non-Hispanic	613,542	72.6%	542,273	67.6%	-11.6%
Black/Non-Hispanic	198,185	23.4%	204,748	25.5%	3.3%
Other Race/Non-Hispanic	15,355	1.8%	19,438	2.4%	26.6%
Two+ Races/Non-Hispanic	8,707	1.0%	15,308	1.9%	75.8%
Hispanic/Any Race	9,514	1.1%	20,607	2.6%	116.6%
Total	845,303		802,374		

Sources: U. S. Bureau of the Census, 2000 Census and 2010 Census.

**Table 4: Children under 18 years old, by household composition,*
Hamilton County and Ohio, 2010**

	In married-couple family households	In male householder, no wife present, family households	In female householder, no husband present, family households
Hamilton County	58.3%	6.9%	34.8%
Ohio	65.2%	7.1%	27.7%

* Percents based on all children living in family households. Does not include children living in nonfamily households.
Source: U.S. Census Bureau, American Community Survey, 2010, Table S0901.

**Table 5: Percent of children under 18 years old in female-headed households,*
Hamilton County and Ohio, 2000-2010**

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Hamilton County	31.3%	28.0%	32.9%	27.7%	29.6%	32.5%	35.4%	32.9%	32.5%	34.0%	34.8%
Ohio	24.3%	25.9%	27.0%	26.1%	26.8%	25.4%	26.5%	26.1%	25.8%	27.1%	27.7%

* Percents based on all children living in family households. Does not include children living in nonfamily households.
Sources: U.S. Census Bureau, Census 2000, Table P19; U.S. Census Bureau, 2001 Supplemental Survey, Table P012; U.S. Census Bureau, American Community Survey, 2002, 2003: Table P012, 2004, 2005: Table B09001, 2006: Table B09005, 2007- 2010: Table S0901.

Table 6: Language Spoken at Home, Population Aged 5 and Over, Hamilton County and Ohio, 2010

	Language other than English	Speak English less than "very well"
Hamilton County	7.2%	2.7%
Ohio	6.7%	2.3%

Source: U.S. Census Bureau, American Community Survey, 2010, Selected Social Characteristics.

Table 7: Educational Achievement, Population Aged 25 and Over, Hamilton County and Ohio, 2010

	High school degree or higher*	Bachelor's degree or higher
Hamilton County	89.0%	33.1%
Ohio	88.1%	24.6%

* Includes equivalency.

Source: U.S. Census Bureau, American Community Survey, 2010, Selected Social Characteristics.

Economic Well-Being

Table 8: Unemployment rates, Hamilton County and Ohio, 1998-2011

Unemployment rates	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Hamilton County	3.6%	3.6%	3.7%	4.0%	5.4%	5.4%	5.5%	5.5%	5.0%	5.0%	5.6%	8.8%	9.4%	8.6%*
Ohio	4.3%	4.3%	4.0%	4.4%	5.7%	6.2%	6.1%	5.9%	5.4%	5.6%	6.5%	10.1%	10.0%	8.6%

* Preliminary.

Source: U.S. Department of Labor, Bureau of Labor Statistics. Unemployment rates were not seasonally adjusted.

Table 9: Poverty rates, total population, Hamilton County and Ohio, 2000-2010

Poverty rates	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Hamilton County	11.8%	9.9%	12.5%	11.4%	11.1%	13.8%	14.6%	12.8%	13.4%	15.0%	18.4%
Ohio	10.6%	11.0%	11.9%	12.1%	12.5%	13.0%	13.3%	13.1%	13.4%	15.2%	15.8%

Sources: U.S. Census Bureau, Census 2000, Table DP-3; U.S. Census Bureau, 2001 Supplemental Survey, Table P114; U.S. Census Bureau, American Community Survey, 2002-2010, Selected Economic Characteristics.

Table 10: Poverty rates, population under 18 years old, Hamilton County and Ohio, 2000-2010

Poverty rates	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Hamilton County	16.2%	12.0%	18.1%	16.2%	15.5%	19.7%	21.1%	18.9%	20.1%	20.7%	28.9%
Ohio	14.0%	15.5%	16.5%	17.6%	18.3%	18.6%	18.7%	18.5%	18.5%	21.9%	23.3%

Sources: U.S. Census Bureau, Census 2000, Table DP-3; U.S. Census Bureau, 2001 Supplemental Survey, Table P114; U.S. Census Bureau, American Community Survey, 2002-2010, Selected Economic Characteristics.

Table 11: Poverty rates, population under 18 years old, by household composition,* Hamilton County and Ohio, 2010

Poverty rates	All children < 18 years old	In married-couple family household	In male householder / no wife present family household	In female household / no husband present family household
Hamilton County	28.8%	9.7%	22.2%	61.6%
Ohio	23.3%	10.4%	28.9%	51.9%

* Percents based on all children living in households.

Source: U.S. Census Bureau, American Community Survey, 2010, Table S0901.

Table 12: Percent of population under 200% of poverty, total population and population under 18 years old, Hamilton County and Ohio, 2010

< 200% poverty	Total population	Population under 18 years old*
Hamilton County	34.9%	44.9%
Ohio	34.6%	44.2%

* Own children under 18 years old in families and subfamilies.

Source: U.S. Census Bureau, American Community Survey, 2010, Tables B05010, B17002.

Table 13: Percent of children under 18 years old under 200% of poverty, Hamilton County and Ohio, 2000, 2006-2010

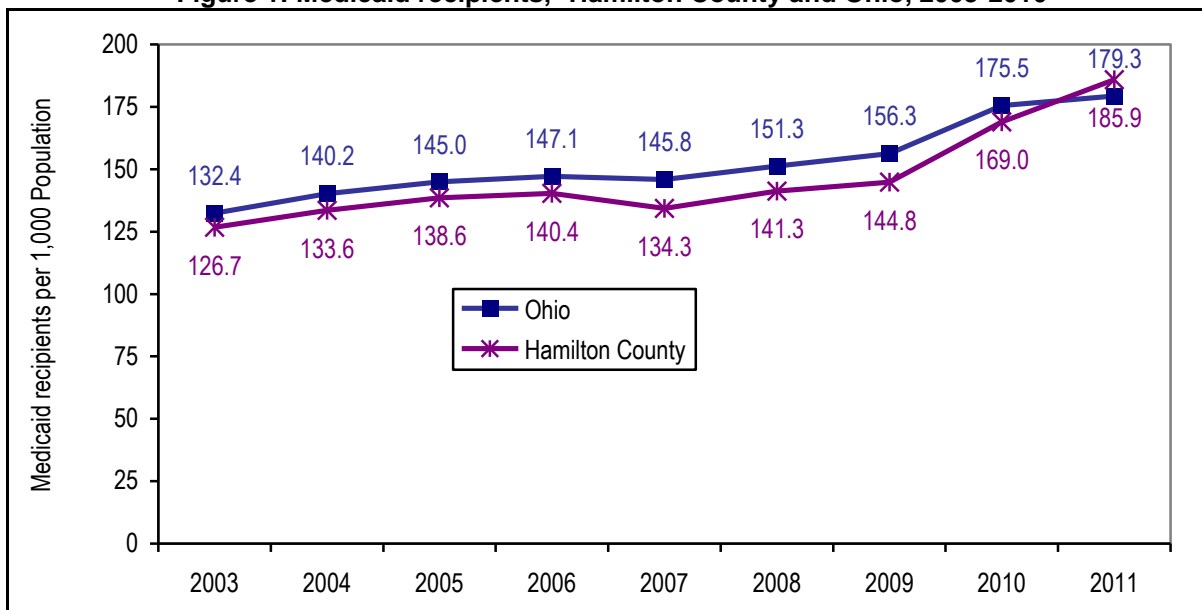
< 200% poverty	2000*	2006**	2007**	2008**	2009**	2010**
Hamilton County	33.4%	37.0%	37.0%	34.9%	40.6%	44.9%
Ohio	34.0%	38.1%	39.1%	38.1%	42.0%	44.2%

* All children under 18 years old.

** Own children under 18 years old in families and subfamilies.

Sources: U.S. Census Bureau, Census 2000, Table PCT50; U.S. Census Bureau, American Community Survey, 2006-2010, Table B05010.

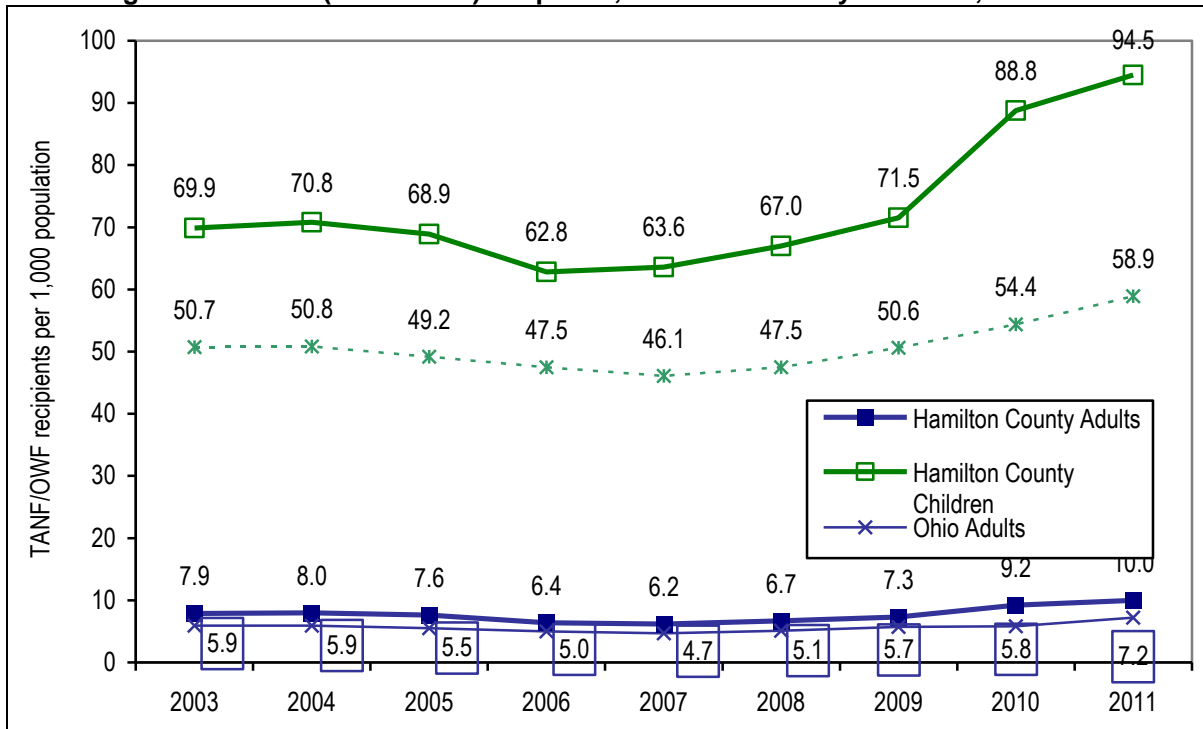
Figure 1: Medicaid recipients,* Hamilton County and Ohio, 2003-2010



* Average monthly count.

Source: Public Assistance Monthly Reports, State Fiscal Years 2003-2011, Ohio Department of Job & Family Services. Rates were computed using postcensus population estimates available from the National Center for Health Statistics and prepared under a collaborative arrangement with the U.S. Census Bureau, www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm. 2010 population estimates were used to compute 2011 rates, since 2011 population estimates were not available as of this writing.

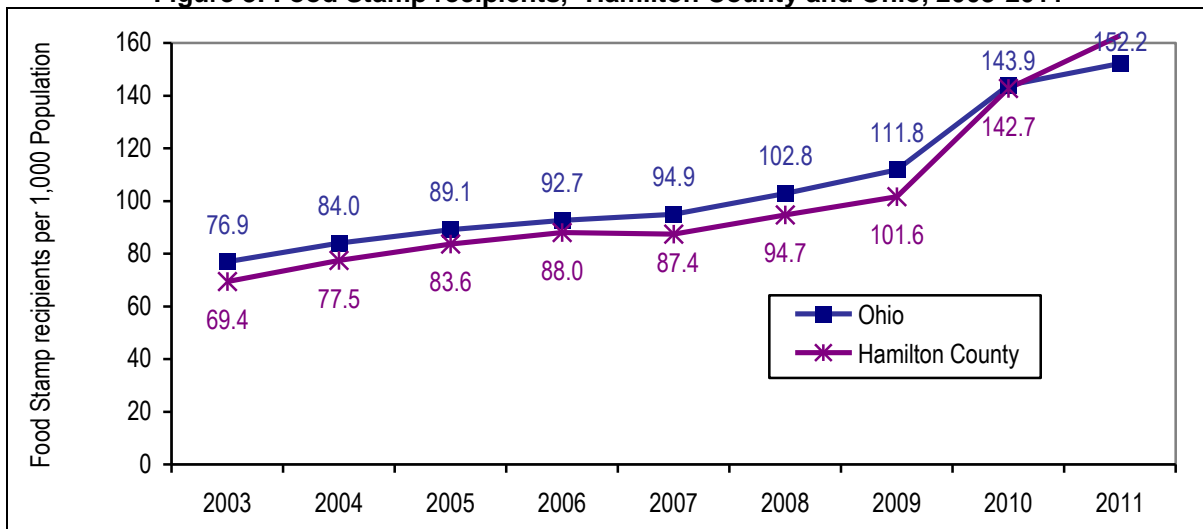
Figure 2: Welfare (TANF/OWF) recipients,* Hamilton County and Ohio, 2003-2011



* Ohio Works First: Ohio's Temporary Assistance for Needy Families. Average monthly count.

Source: Public Assistance Monthly Statistics Reports, State Fiscal Years 2003-2011, Ohio Department of Job & Family Services. Rates were computed using postcensus population estimates available from the National Center for Health Statistics and prepared under a collaborative arrangement with the U.S. Census Bureau, www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm. 2010 population estimates were used to compute 2011 rates, since 2011 population estimates were not available as of this writing.

Figure 3: Food Stamp recipients,* Hamilton County and Ohio, 2003-2011



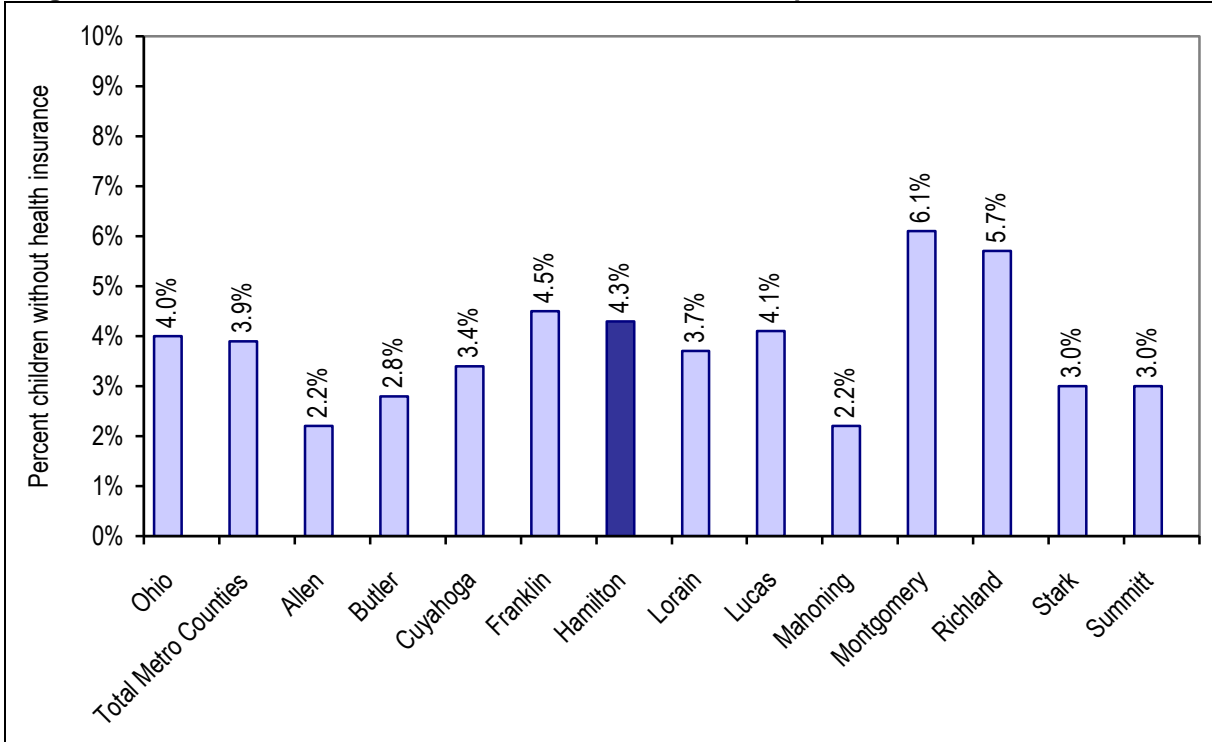
* Average monthly count.

Source: Public Assistance Monthly Statistics for Calendar Years, Ohio Department of Job & Family Services. Rates were computed using postcensus population estimates available from the National Center for Health Statistics and prepared under a collaborative arrangement with the U.S. Census Bureau, www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm. 2010 population estimates were used to compute 2011 rates, since 2011 population estimates were not available as of this writing.

Access to Health Care

Health Insurance Status

Figure 4: Percent of children without health insurance, Metropolitan Counties and Ohio, 2008



Source: Ohio Department of Job & Family Services, 2008 Ohio Family Health Survey.

Table 14: Percent of population without health insurance, Hamilton County and Ohio, 2004 and 2008

Percent without health insurance	Children <18		Adults Ages 18+	
	2004	2008	2004	2008
Hamilton County	5.6%	4.3%	12.9%	13.5%
Ohio	5.4%	4.0%	12.5%	14.1%

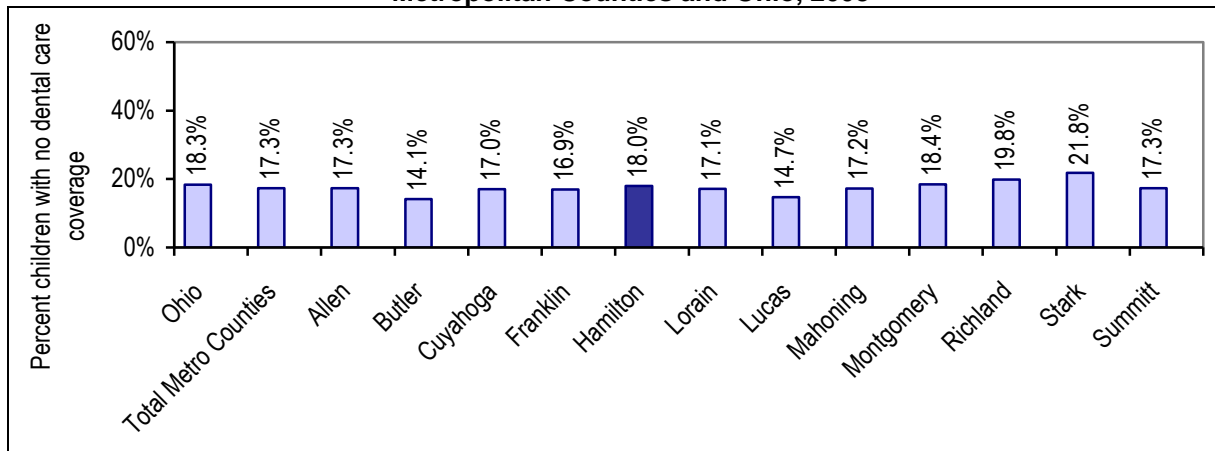
Sources: Ohio Department of Job & Family Services, 2004 and 2008 Ohio Family Health Survey.

Table 15: Health Insurance Status of Adults Age 18 or Older, Greater Cincinnati, Hamilton County Suburbs and City of Cincinnati, 2010

	Insured	Insured, but uninsured in past 12 months	Uninsured
Greater Cincinnati Region	73.1%	6.2%	20.7%
Hamilton County Suburbs	75.3%	5.8%	18.9%
City of Cincinnati	67.5%	9.4%	23.1%

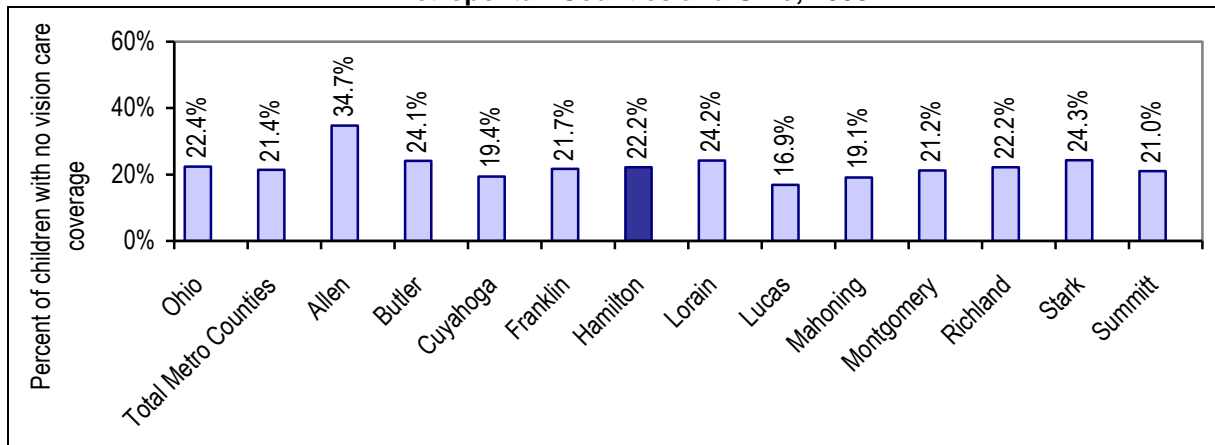
Source: Community Health Status Survey, Fall 2010. The Health Foundation of Greater Cincinnati.

Figure 5: Percent of children with no dental care coverage (excluding 1 year olds), Metropolitan Counties and Ohio, 2008



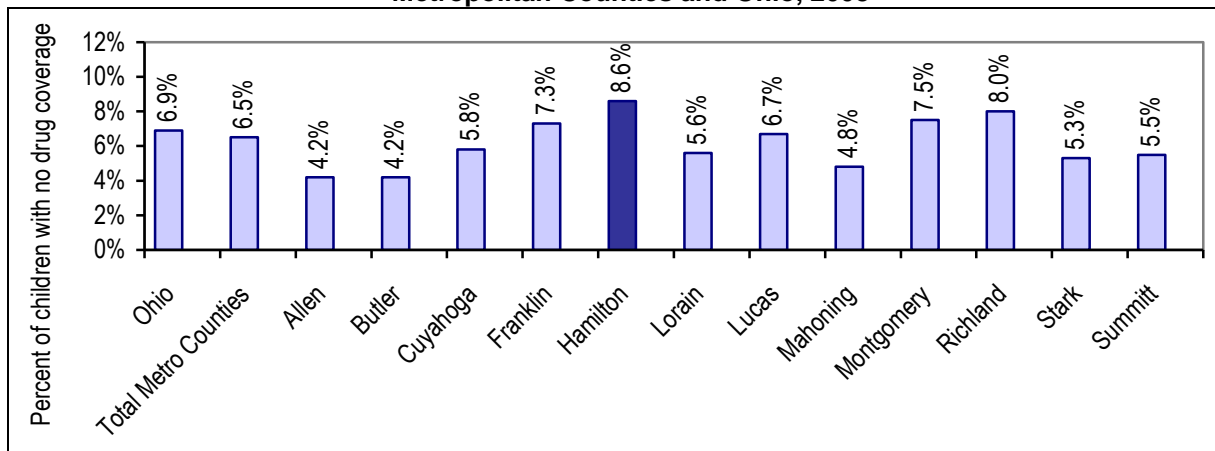
Source: Ohio Department of Job & Family Services, 2008 Ohio Family Health Survey.

Figure 6: Percent of children with no vision care coverage (excluding 1 year olds), Metropolitan Counties and Ohio, 2008



Source: Ohio Department of Job & Family Services, 2008 Ohio Family Health Survey.

Figure 7: Percent of children with no drug coverage (excluding 1 year olds), Metropolitan Counties and Ohio, 2008



Source: Ohio Department of Job & Family Services, 2008 Ohio Family Health Survey.

Table 16: Percent of Hamilton County Births Paid by Medicaid

	Percent
Percent of Births Paid by Medicaid	45.3%

Source: CFHS & FP Health Status Profile: Hamilton County, Ohio; updated November 2010.

Table 17: Percent of total population and population under 18 years old enrolled in Medicaid,* Hamilton County and Ohio, State Fiscal Year 2009

	% Total population enrolled in Medicaid	% Population under 18 years old enrolled in Medicaid
Hamilton County	19.1%	43.5%
Ohio	20.9%	44.9%

* Unduplicated counts.

Source: 2009 Hamilton County Profile, Ohio Department of Job & Family Services. Percents were computed using postcensus population estimates available from the National Center for Health Statistics and prepared under a collaborative arrangement with the U.S. Census Bureau, www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm.

Women in Need of Public Contraception

Table 18: Percent of Women in Need of Public Contraception

	Number/Percent
Women Aged 13 to 44	176,450
Women in Need of Public Contraception	16,420
Percent of Women in Need of Public Contraception	9.3%

Source: CFHS & FP Health Status Profile: Hamilton County, Ohio; updated November 2010.

Health Care Access Indicators

Table 19: Access to Health Care in Hamilton County

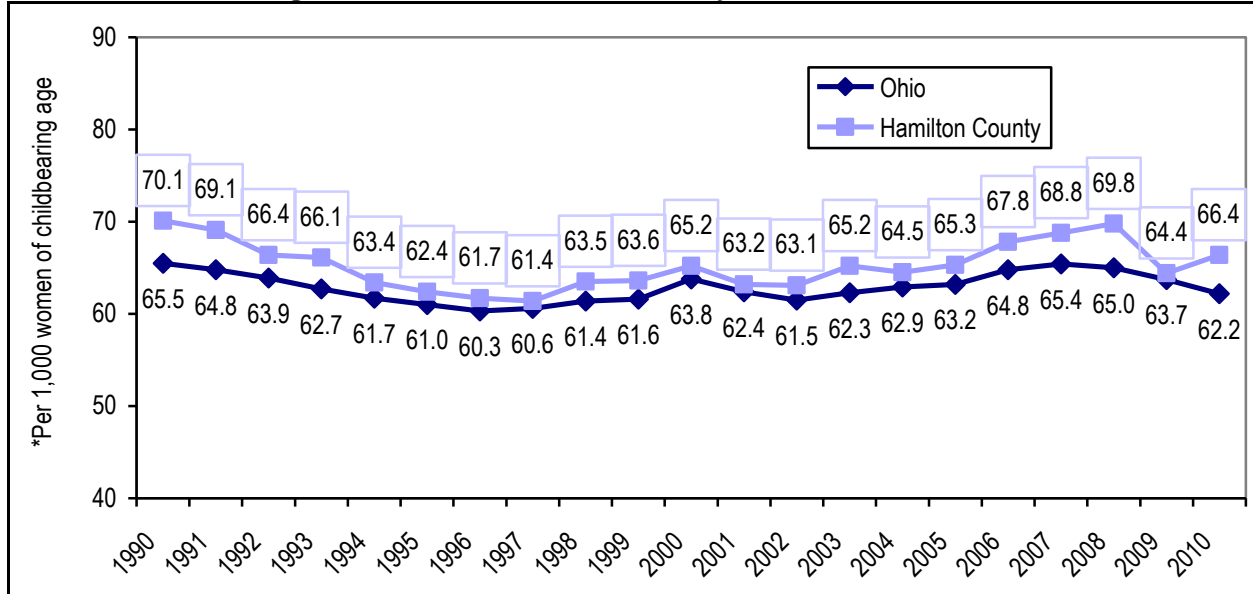
Indicator	Value
Number of Physicians (MD, DO) in Hamilton County	3,651
Health Professional Shortage Area	Yes
Number of Free Clinics	39

Source: CFHS & FP Health Status Profile: Hamilton County, Ohio; updated November 2010.

Birth Outcomes

Total Births

Figure 8: Birth rate, Hamilton County and Ohio, 1990-2010



*Per 1,000 women of childbearing age

Sources: 1990-2008: Ohio Department of Health Information Warehouse; 2009-2010: Ohio Department of Health, Center for Public Health Statistics and Informatics, Vital Statistics Annual County Birth Summary.

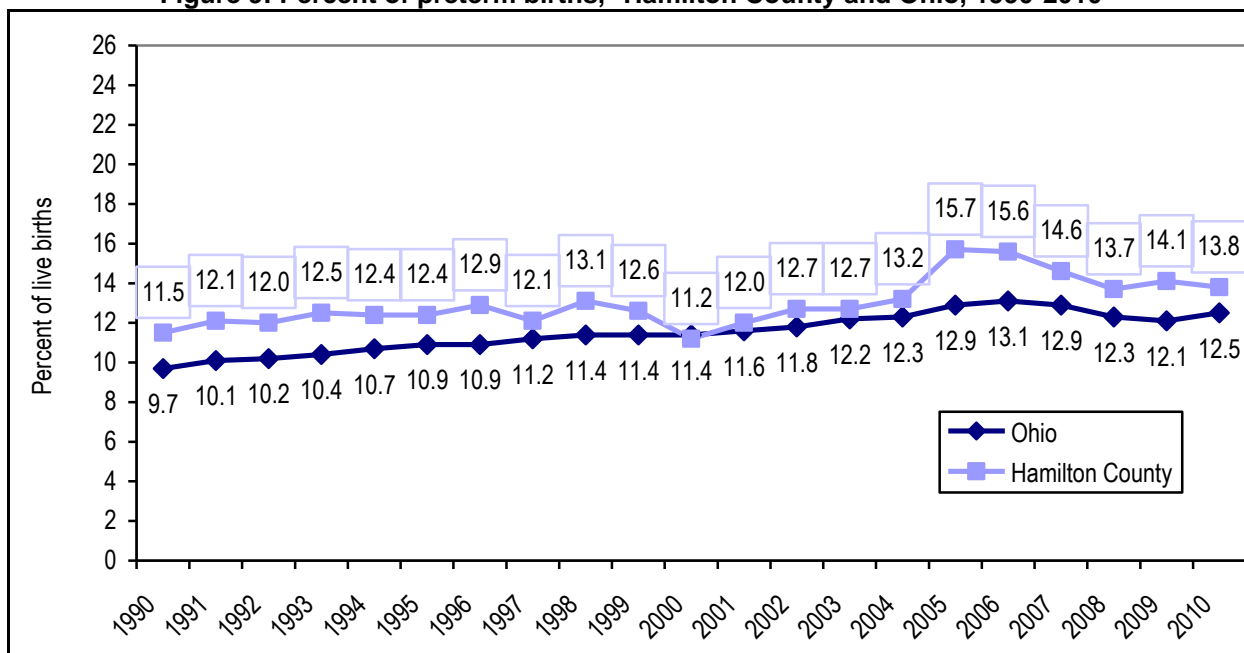
Table 20: Total Number of Births, Hamilton County and Ohio, 1990-2010

Year	Ohio	Hamilton County
1990	166,686	14,421
1991	165,389	14,242
1992	161,990	13,555
1993	158,773	13,428
1994	155,734	12,759
1995	153,747	12,420
1996	151,545	12,192
1997	151,389	11,998
1998	152,457	12,281
1999	151,598	12,092
2000	155,721	12,211
2001	151,410	11,788
2002	147,832	11,581
2003	148,483	11,768
2004	148,855	11,461
2005	148,255	11,445
2006	150,510	11,724
2007	150,784	11,803
2008	148,592	11,789
2009	144,569	11,373
2010	139,034	10,876

Sources: 1990-2008: Ohio Department of Health Information Warehouse; 2009-2010: Ohio Department of Health, Center for Public Health Statistics and Informatics, Vital Statistics Annual County Birth Summary.

Preterm Births

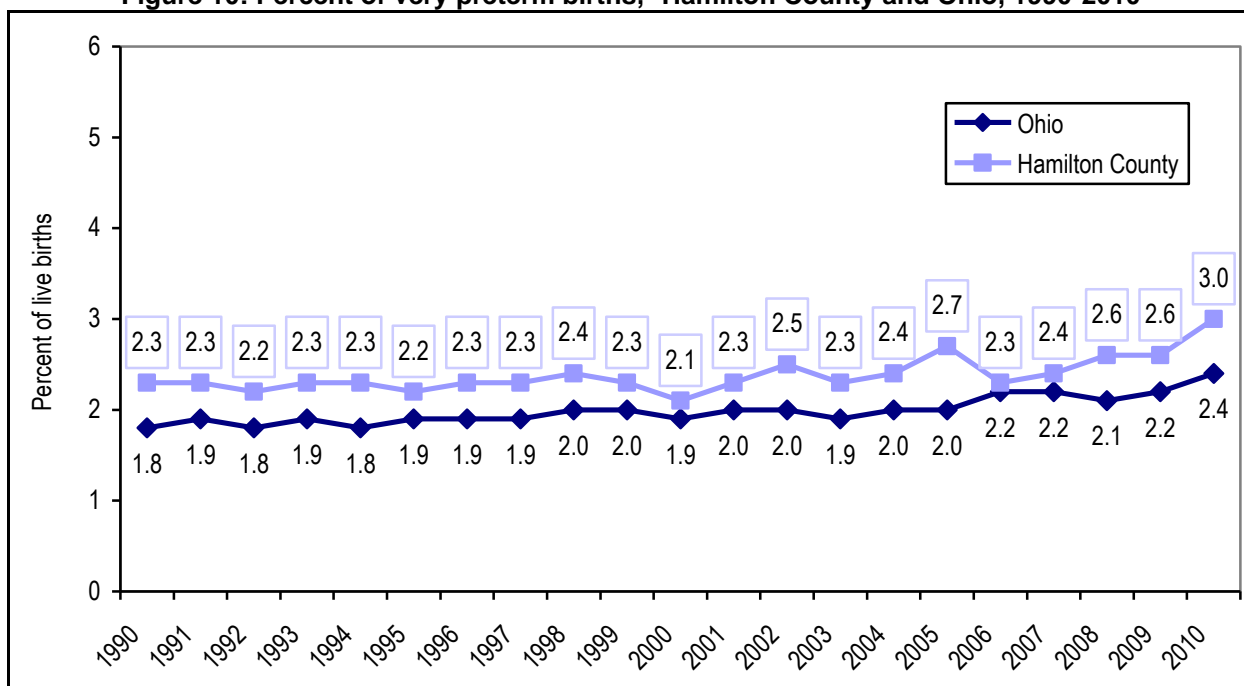
Figure 9: Percent of preterm births,* Hamilton County and Ohio, 1990-2010



* < 37 weeks gestation.

Source: 1990-2008 Ohio Department of Health Information Warehouse; 2009-2010 Ohio Department of Health, Center for Public Health Statistics and Informatics

Figure 10: Percent of very preterm births,* Hamilton County and Ohio, 1990-2010



* < 32 weeks gestation.

Source: 1990-2008 Ohio Department of Health Information Warehouse; 2009-2010 Ohio Department of Health, Center for Public Health Statistics and Informatics

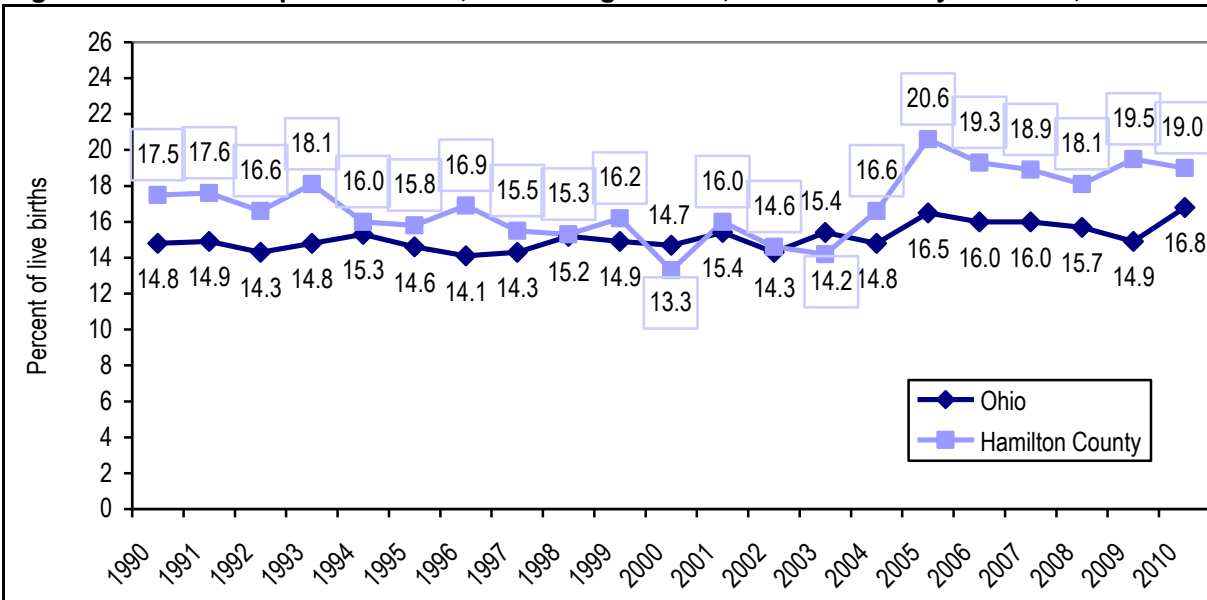
**Table 21: Percent of WIC-enrolled infants with preterm births,*
Hamilton County and Ohio, 2002-2010**

	2002	2003	2004	2005	2006	2007	2008	2009	2010
Hamilton County	12.5%	12.8%	13.0%	13.5%	12.6%	13.0%	13.0%	12.5%	10.7%
Ohio	10.7%	10.9%	11.3%	12.5%	12.0%	11.7%	11.7%	10.7%	10.7%

* < 37 weeks gestation.

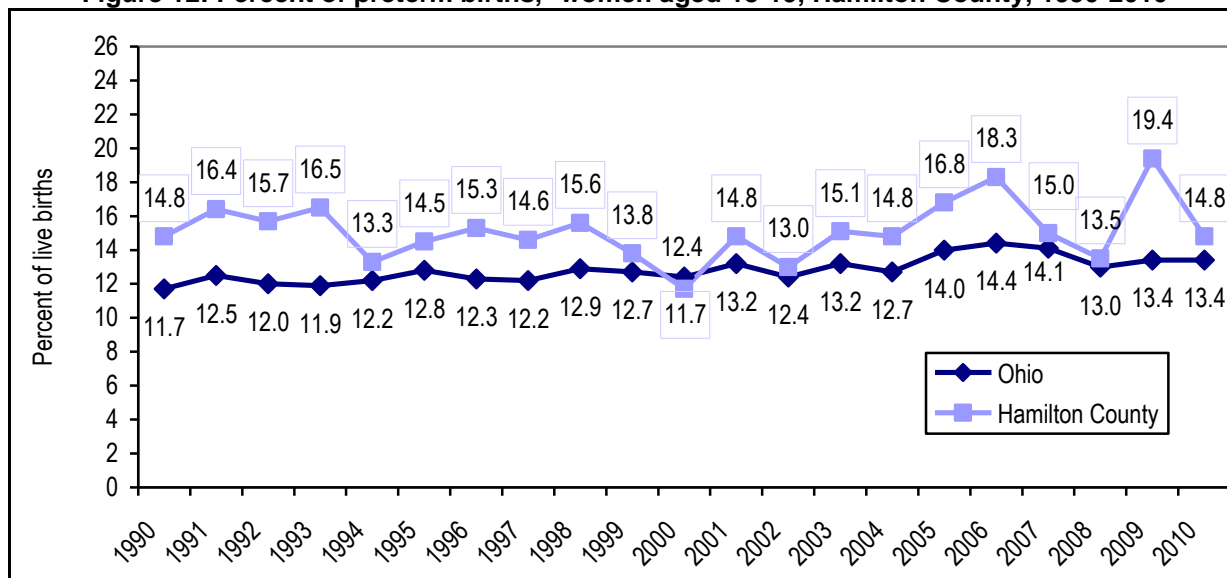
Source: Ohio Department of Health, Pregnancy Nutrition Surveillance System, 2002-2010.

Figure 11: Percent of preterm births,* women aged 15-17, Hamilton County and Ohio, 1990-2010



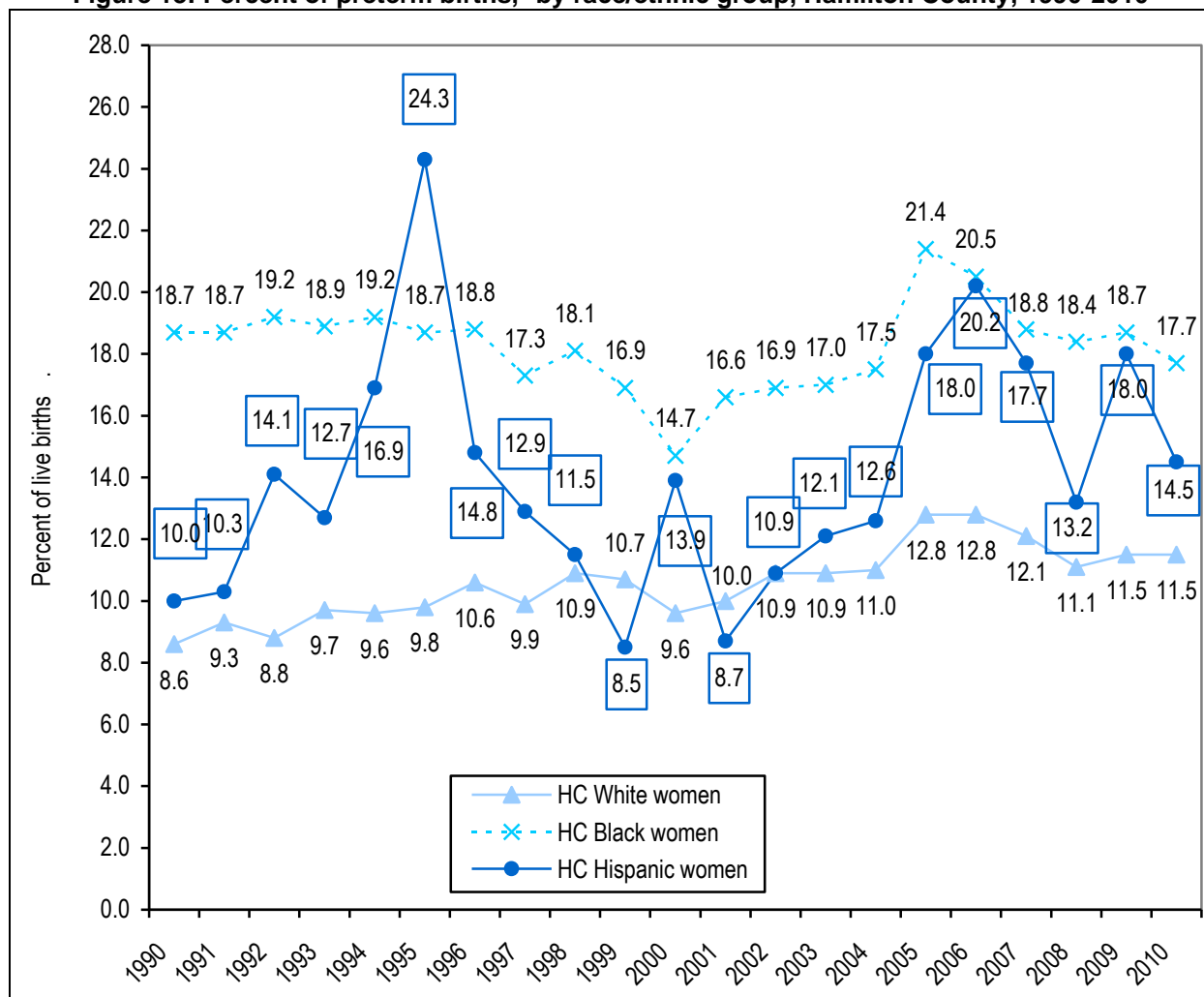
* < 37 weeks gestation. Source: 1990-2008 Ohio Department of Health Information Warehouse; 2009-2010 Ohio Department of Health, Center for Public Health Statistics and Informatics

Figure 12: Percent of preterm births,* women aged 18-19, Hamilton County, 1990-2010



* < 37 weeks gestation. Source: 1990-2008 Ohio Department of Health Information Warehouse; 2009-2010 Ohio Department of Health, Center for Public Health Statistics and Informatics

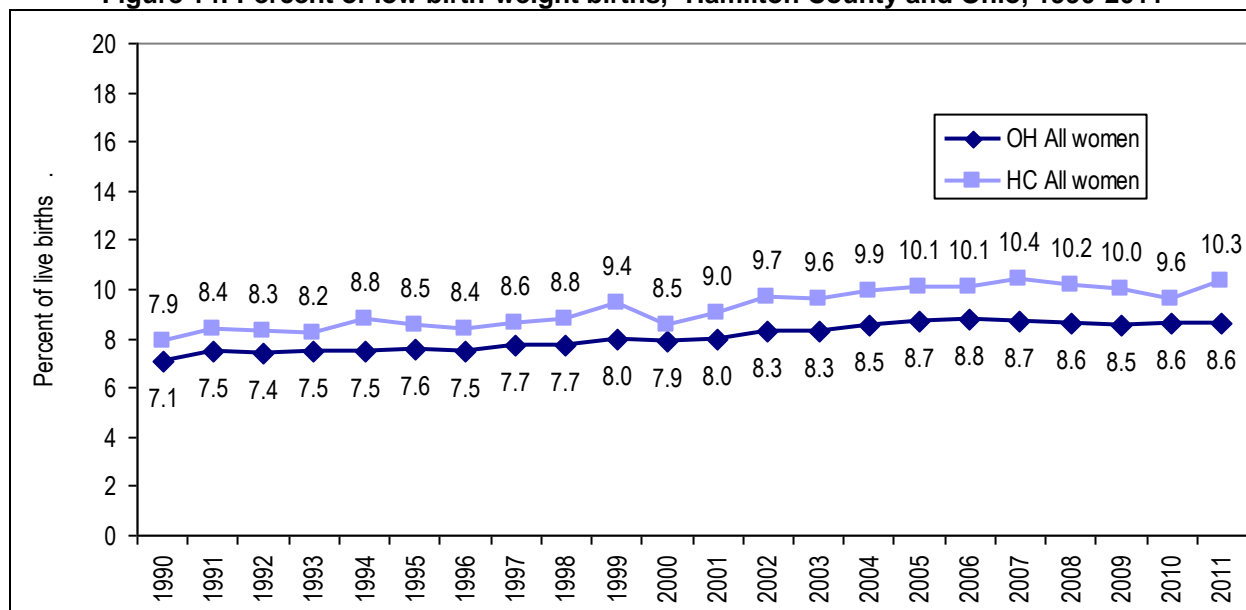
Figure 13: Percent of preterm births,* by race/ethnic group, Hamilton County, 1990-2010



* < 37 weeks gestation. Source: 1990-2008 Ohio Department of Health Information Warehouse; 2009-2010 Ohio Department of Health, Center for Public Health Statistics and Informatics

Low Birth-Weight

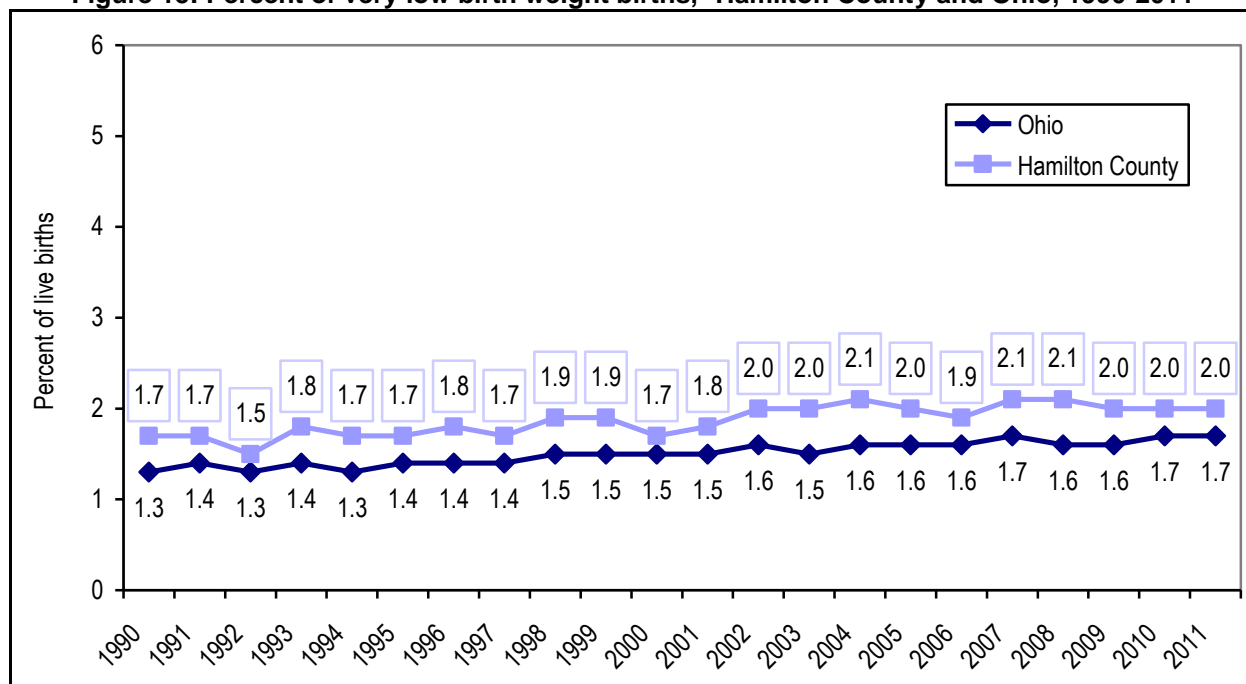
Figure 14: Percent of low birth-weight births,* Hamilton County and Ohio, 1990-2011



* Low Birth-Weight: <2500 grams.

Sources: 1990-2008: Ohio Department of Health Information Warehouse; 2009-2010: Ohio Department of Health, Center for Public Health Statistics and Informatics, Vital Statistics Annual County Birth Summary.

Figure 15: Percent of very low birth weight births,* Hamilton County and Ohio, 1990-2011



* Very Low Birth-Weight < 1500 grams

Source: 1990-2008 Ohio Department of Health Information Warehouse; 2009-2010 Ohio Department of Health, Center for Public Health Statistics and Informatics

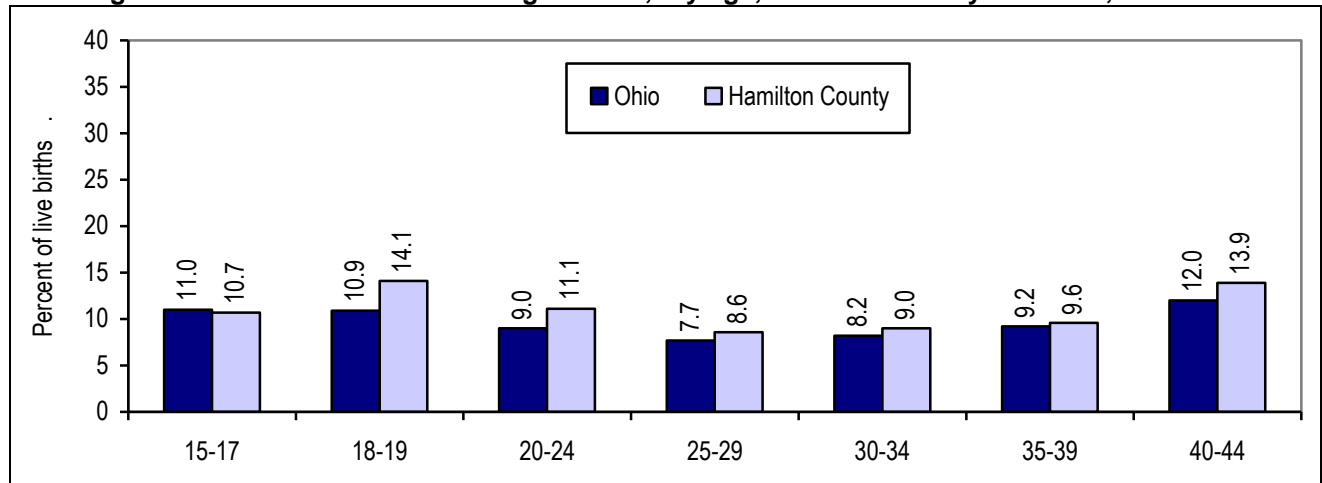
**Table 22: Percent of WIC-enrolled infants with low birth-weight,*
Hamilton County and Ohio, 2002-2010**

	2002	2003	2004	2005	2006	2007	2008	2009	2010
Hamilton County	12.3%	11.2%	12.0%	12.1%	12.8%	12.5%	12.3%	12.1%	11.3%
Ohio	10.1%	10.2%	10.4%	11.0%	11.1%	10.7%	10.5%	10.4%	10.2%

* Low Birth-Weight: <2500 grams.

Source: Ohio Department of Health, Pediatric Nutrition Surveillance System, 2002-2010.

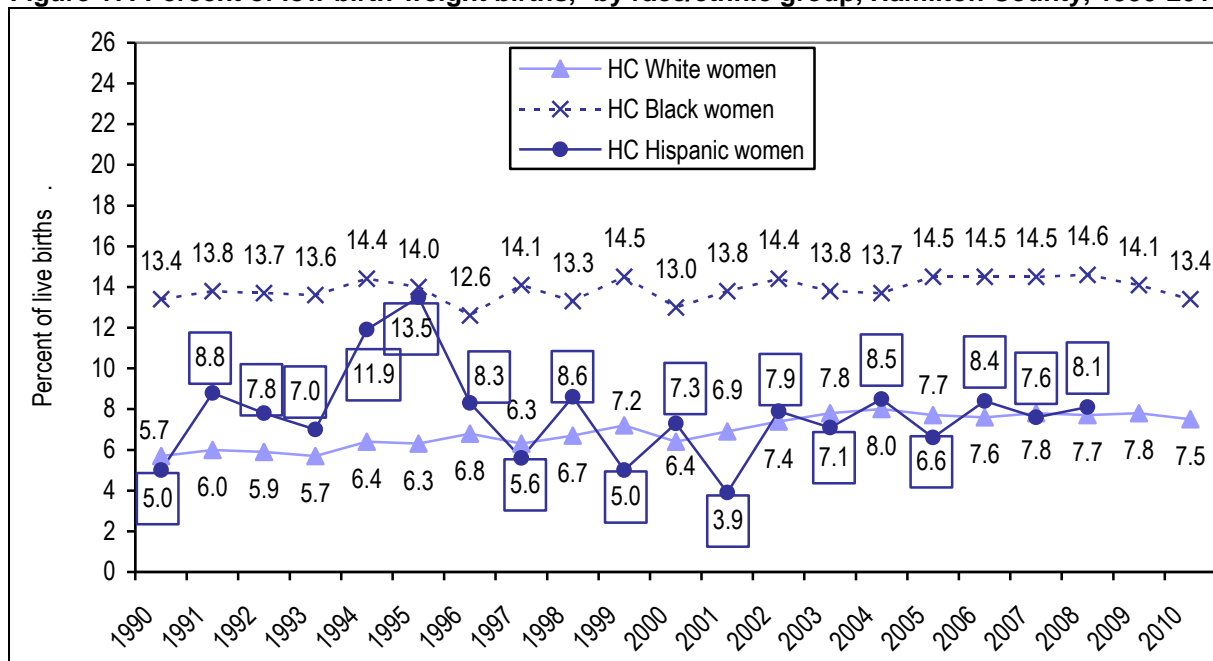
Figure 16: Percent of low birth-weight births,* by age, Hamilton County and Ohio, 2010



* Low Birth-Weight: <2500 grams.

Source: Ohio Department of Health, Center for Public Health Statistics and Informatics

Figure 17: Percent of low birth-weight births,* by race/ethnic group, Hamilton County, 1990-2010

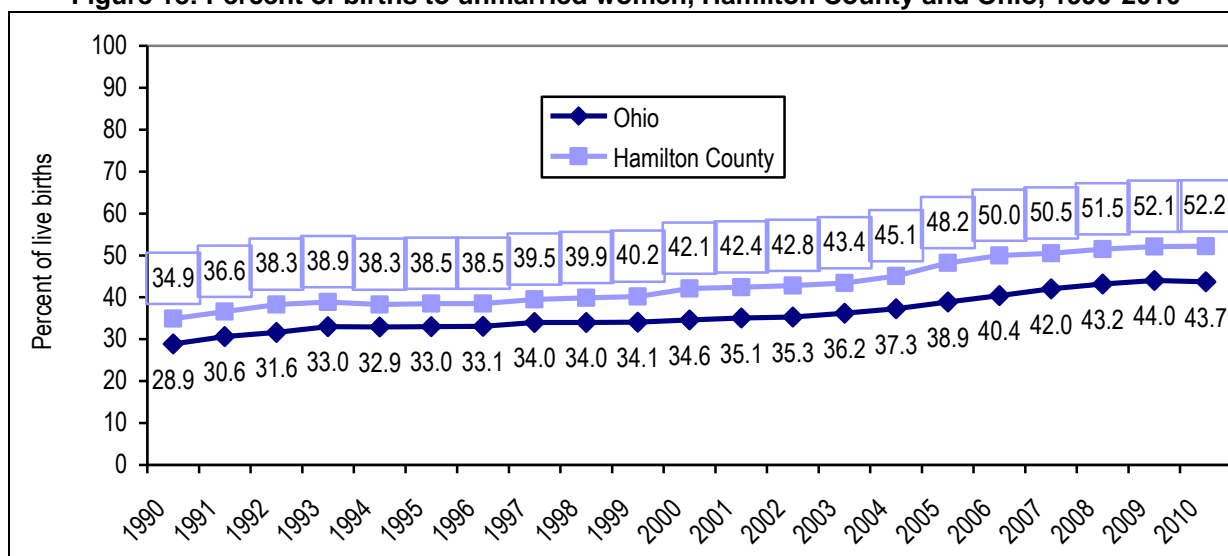


* Low Birth-Weight: <2500 grams.

Source: 1990-2008 Ohio Department of Health Information Warehouse, 2009-2010 Ohio Department of Health, Center for Public Health Statistics and Informatics

Births to Unmarried Women

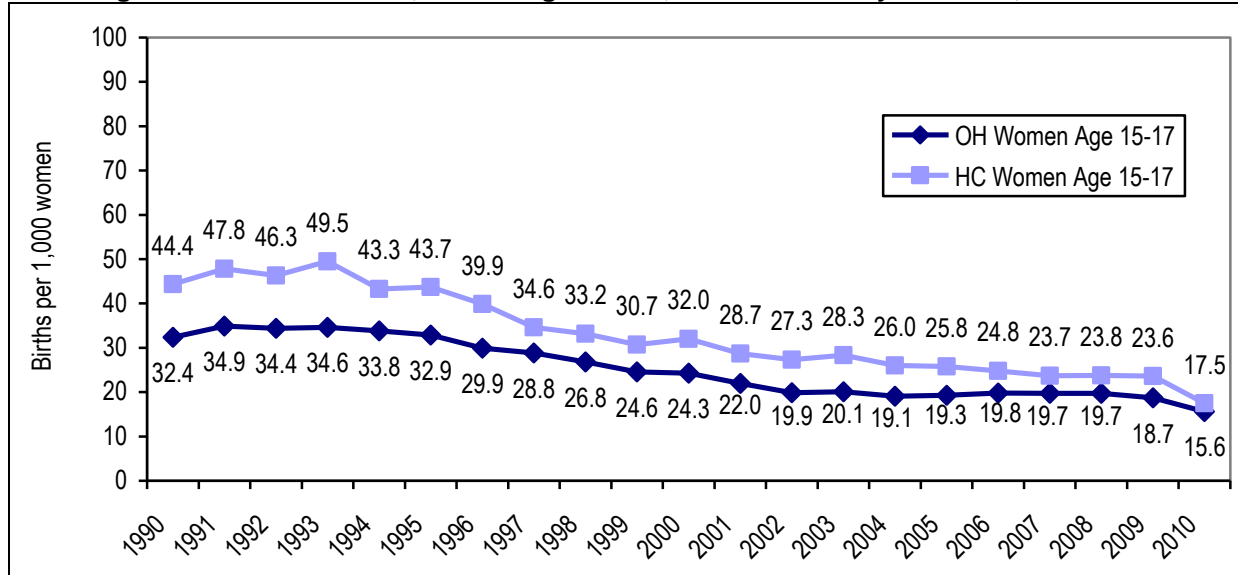
Figure 18: Percent of births to unmarried women, Hamilton County and Ohio, 1990-2010



Sources: 1990-2008: Ohio Department of Health Information Warehouse; 2009-2010: Ohio Department of Health, Center for Public Health Statistics and Informatics, Vital Statistics Annual County Birth Summary.

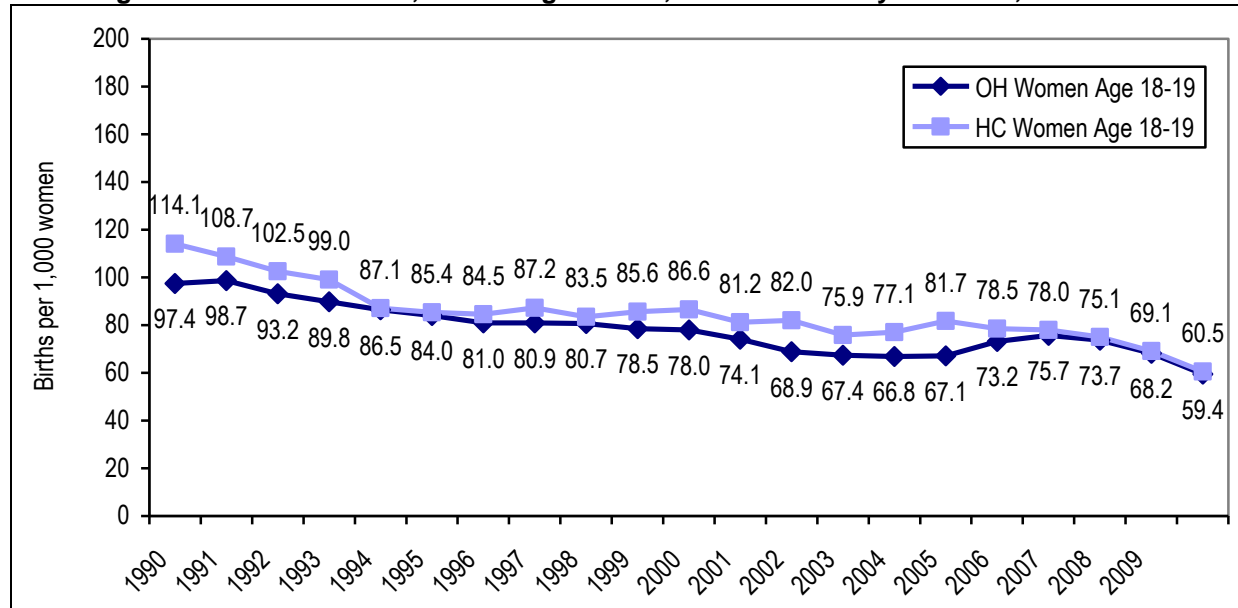
Teen Births

Figure 19: Teen birth rate, women aged 15-17, Hamilton County and Ohio, 1990-2010



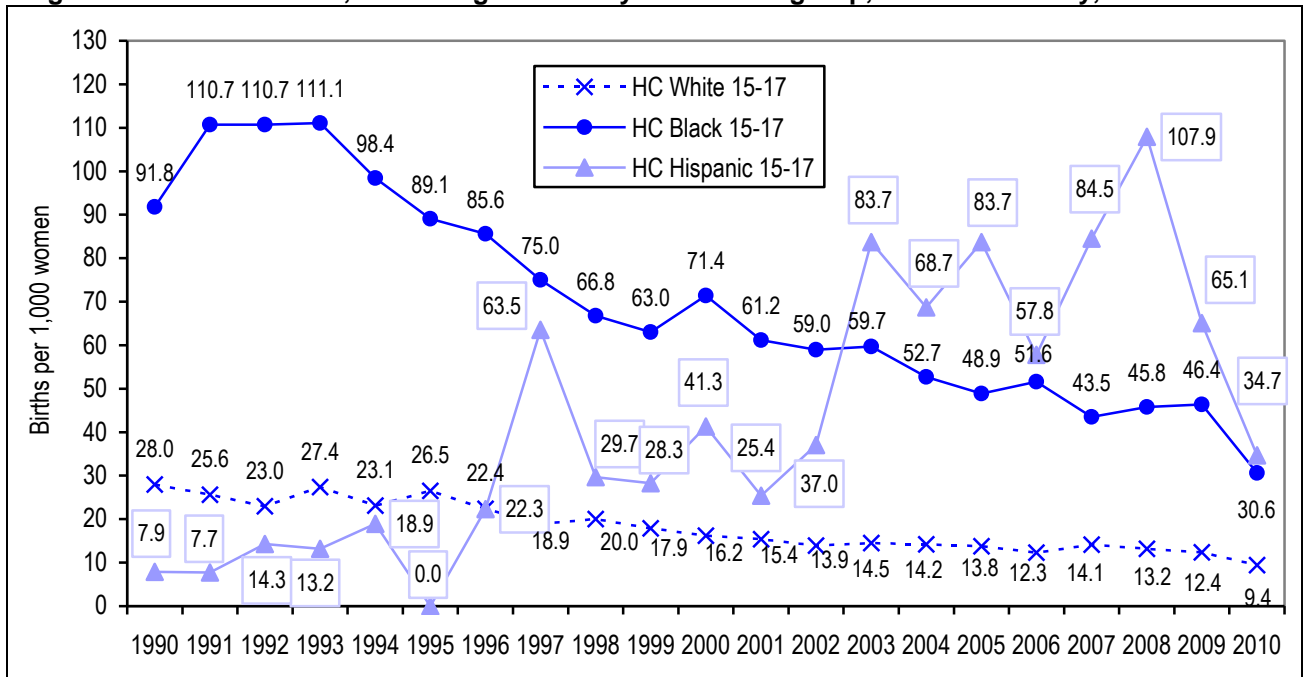
Sources: 1990-2008: Ohio Department of Health Information Warehouse; 2009-2010: Ohio Department of Health, Center for Public Health Statistics and Informatics, Vital Statistics Annual County Birth Summary.

Figure 20: Teen birth rate, women aged 18-19, Hamilton County and Ohio, 1990-2010



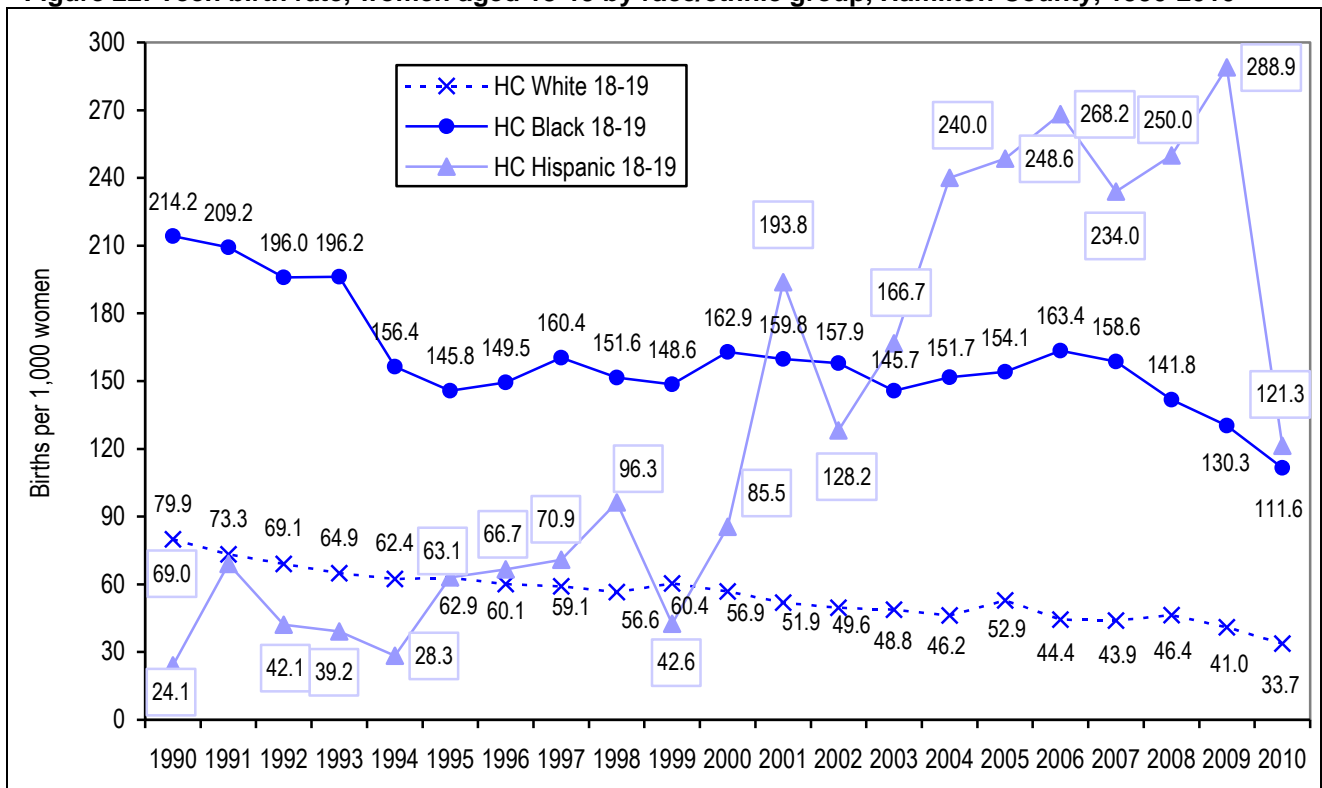
Sources: 1990-2008: Ohio Department of Health Information Warehouse; 2009-2010: Ohio Department of Health, Center for Public Health Statistics and Informatics, Vital Statistics Annual County Birth Summary.

Figure 21: Teen birth rate, women aged 15-17 by race/ethnic group, Hamilton County, 1990-2010



Sources: 1990-2008: Ohio Department of Health Information Warehouse; 2009-2010: Ohio Department of Health, Center for Public Health Statistics and Informatics, Vital Statistics Annual County Birth Summary.

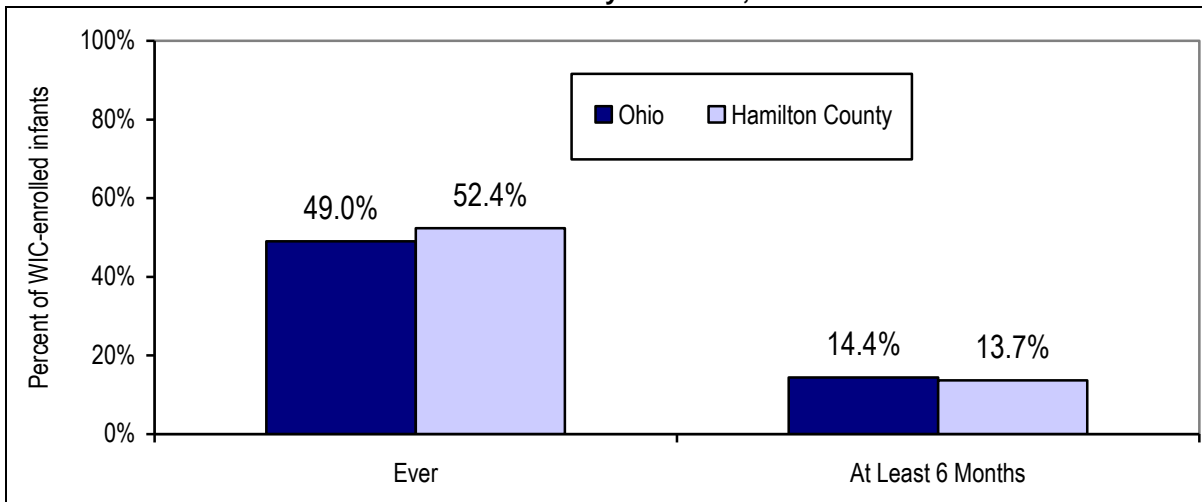
Figure 22: Teen birth rate, women aged 18-19 by race/ethnic group, Hamilton County, 1990-2010



Sources: 1990-2008: Ohio Department of Health Information Warehouse; 2009-2010: Ohio Department of Health, Center for Public Health Statistics and Informatics, Vital Statistics Annual County Birth Summary.

Breastfeeding

Figure 23: Percent of WIC-enrolled infants ever breastfed and breastfed for at least 6 months,* Hamilton County and Ohio, 2010



* Infants born during the 12-month annual reporting period.

Source: Ohio Department of Health, Pediatric Nutrition Surveillance System, 2010.

Table 23: Percent of WIC-enrolled infants ever breastfed,* Hamilton County and Ohio, 2002-2010

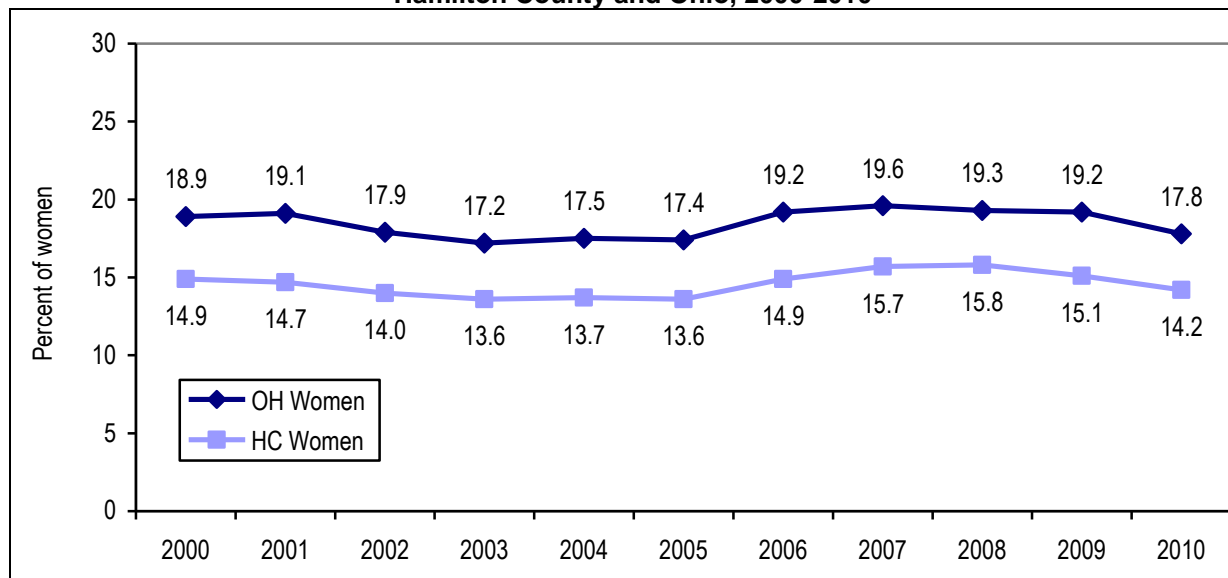
	2002	2003	2004	2005	2006	2007	2008	2009	2010
Hamilton County	34.5%	36.7%	37.5%	40.8%	42.9%	43.7%	45.2%	49.5%	52.4%
Ohio	38.5%	38.9%	41.2%	43.2	44.4%	44.6%	46.1%	47.4%	49.0%

* Infants born during the 12-month annual reporting period.

Source: Ohio Department of Health, Pediatric Nutrition Surveillance System, 2002-2010.

Smoking and Pregnancy

Figure 24. Percent of women who smoked during pregnancy, Hamilton County and Ohio, 2000-2010



Source: Ohio Department of Health, Center for Public Health Statistics and Informatics, Vital Statistics Annual County Birth Summary, 2000-2010.

Table 24: Percent of WIC-enrolled women who smoked during last 3 months of pregnancy, Hamilton County and Ohio, 2002-2010

	2002	2003	2004	2005	2006	2007	2008	2009	2010
Hamilton County	18.8%	19.6%	16.8%	17.9%	17.0%	15.6%	15.3%	13.4%	13.2%
Ohio	25.6%	20.3%	24.4%	24.4%	23.2%	23.1%	22.1%	21.5%	20.7%

Source: Ohio Department of Health, Pregnancy Nutrition Surveillance System, 2002-2010.

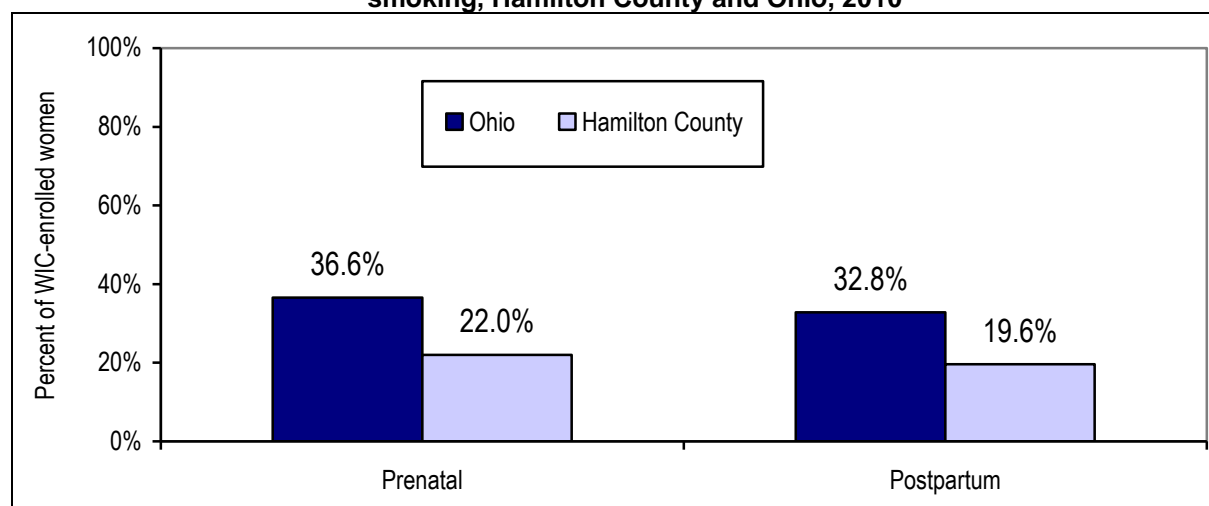
Table 25: Percent of WIC-enrolled women who quit smoking by 1st prenatal visit and stayed off cigarettes,* Hamilton County and Ohio, 2002-2010

	2002	2003	2004	2005	2006	2007	2008	2009	2010
Hamilton County	34.9%	35.0%	37.6%	36.7%	39.6%	41.4%	46.4%	39.6%	40.0%
Ohio	29.7%	34.2%	35.0%	34.9%	36.3%	36.3%	37.0%	33.3%	33.6%

* Among women who smoked 3 months prior to pregnancy.

Source: Ohio Department of Health, Pregnancy Nutrition Surveillance System, 2002-2010.

Figure 24: Percent of WIC-enrolled women in households with prenatal and/or postpartum smoking, Hamilton County and Ohio, 2010



Source: Ohio Department of Health, Pregnancy Nutrition Surveillance System, 2010.

Table 26: Percent of WIC-enrolled women in households with prenatal smoking, Hamilton County and Ohio, 2002-2010

	2002	2003	2004	2005	2006	2007	2008	2009	2010
Hamilton County	23.5%	24.5%	23.6%	23.6%	25.7%	25.3%	25.6%	23.3%	22.0%
Ohio	37.2%	36.5%	36.3%	38.1%	39.5%	39.5%	38.9%	37.7%	36.6%

Source: Ohio Department of Health, Pregnancy Nutrition Surveillance System, 2002-2010.

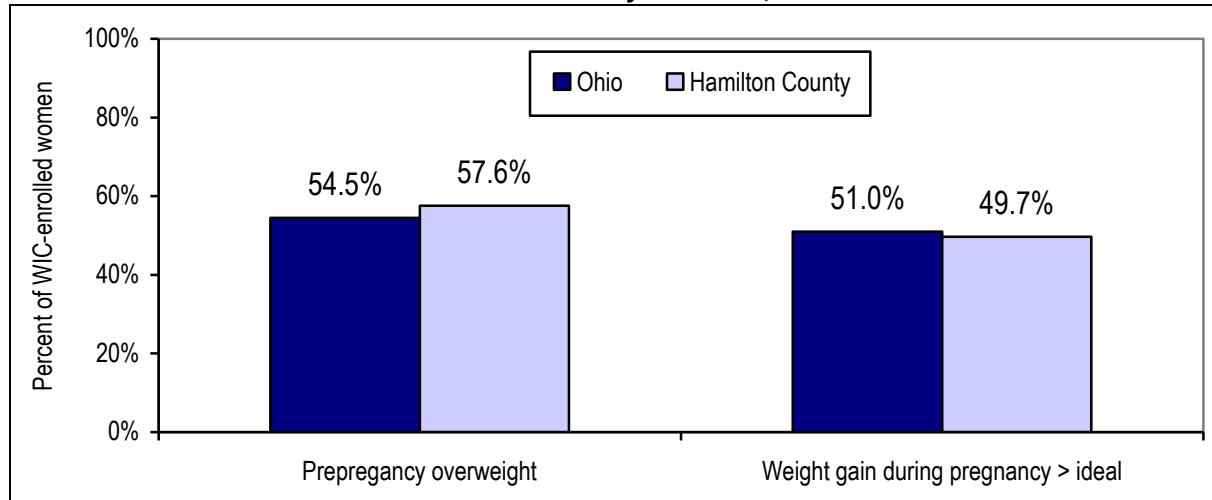
Table 27: Percent of WIC-enrolled women in households with postpartum smoking, Hamilton County and Ohio, 2002-2010

	2002	2003	2004	2005	2006	2007	2008	2009	2010
Hamilton County	16.8%	18.0%	15.1%	17.4%	19.8%	20.3%	19.7%	19.8%	19.6%
Ohio	30.9%	31.7%	30.5%	35.2%	35.2%	35.3%	34.9%	34.8%	32.8%

Source: Ohio Department of Health, Pregnancy Nutrition Surveillance System, 2002-2010.

Pregnancy and Overweight

Figure 25: Pregnancy and overweight* among WIC-enrolled women, Hamilton County and Ohio, 2010



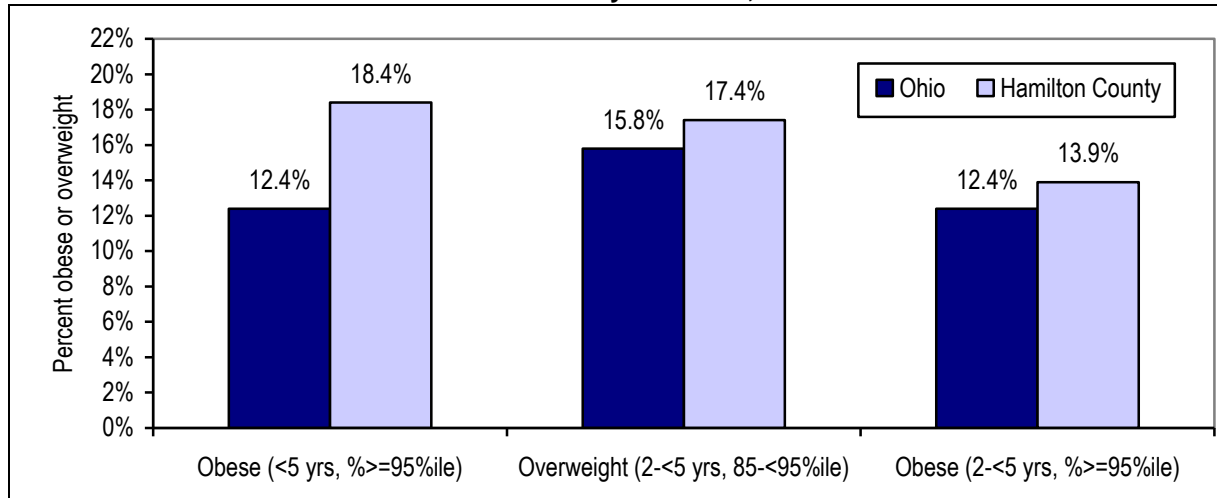
* Pregnancy overweight: Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI >30.0).

Weight gain during pregnancy: Based on 2009 IOM report, "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight prepregnancy (ideal weight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

Source: Ohio Department of Health, Pregnancy Nutrition Surveillance System, 2009.

Childhood Overweight

**Figure 26: Overweight and obesity rates among WIC-enrolled children,*
Hamilton County and Ohio, 2010**



* Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. Obesity is defined as $\geq 95^{\text{th}}$ percentile, and overweight is defined as 85^{th} - $<95^{\text{th}}$ percentile.

Source: Ohio Department of Health, Pediatric Nutrition Surveillance System, 2010.

**Table 28. Overweight and obesity rates among WIC-enrolled children,*
Hamilton County and Ohio, 2002-2010**

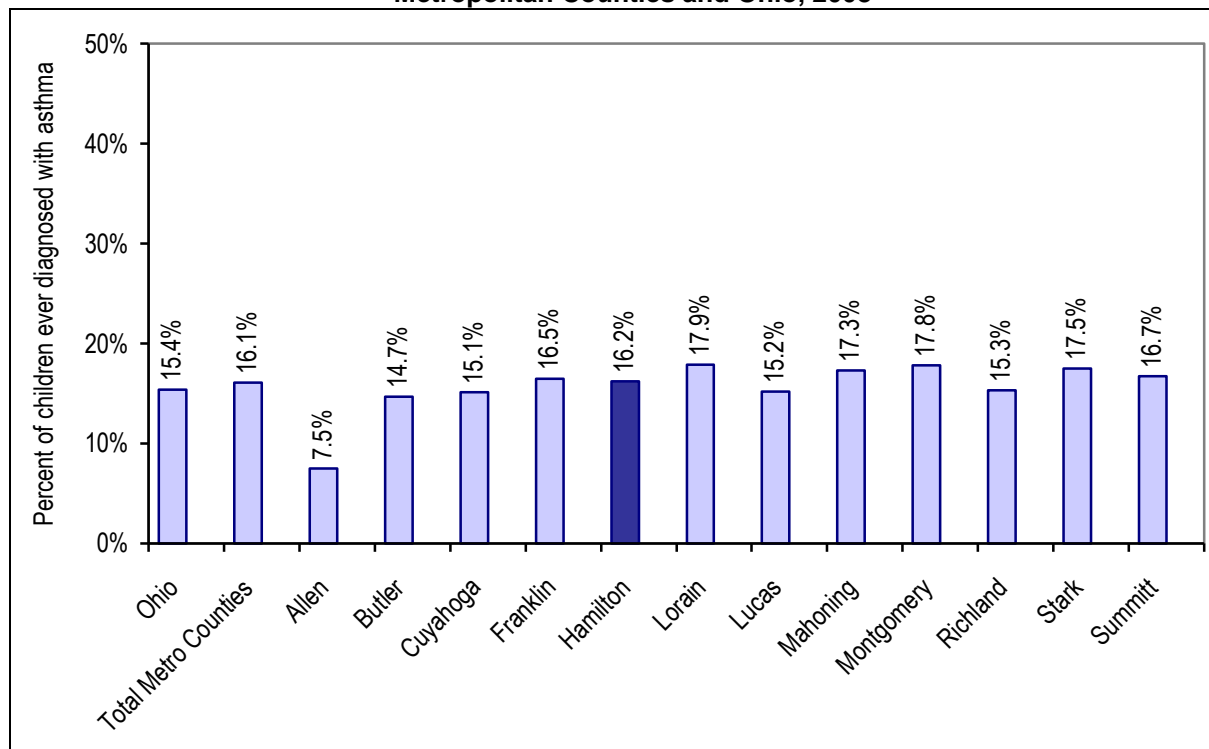
Group		2002	2003	2004	2005	2006	2007	2008	2009	2010
Hamilton County	Obese (% \geq 95%ile)	13.5%	13.8%	13.2%	13.9%	14.0%	14.0%	15.2%	16.2%	18.4%
Ohio		11.9%	12.5%	12.3%	12.1%	12.1%	12.1%	12.4%	12.7%	12.4%
Hamilton County	Overweight (\geq 2yrs, 85-<95%ile)	13.5%	13.6%	16.0%	14.9%	16.9%	15.4%	16.2%	15.9%	17.4%
Ohio		14.3%	14.7%	15.2%	15.0%	15.5%	15.5%	15.8%	15.7%	15.8%
Hamilton County	Obese (\geq 2yrs, % \geq 95%ile)	9.6%	10.5%	11.7%	11.8%	11.9%	11.1%	11.9%	12.5%	13.9%
Ohio		11.1%	11.6%	12.0%	11.6%	11.7%	12.1%	12.2%	12.3%	12.4%

* Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. Obesity is defined as $\geq 95^{\text{th}}$ percentile, and overweight is defined as 85^{th} - $<95^{\text{th}}$ percentile.

Source: Ohio Department of Health, Pediatric Nutrition Surveillance System, 2002-2010

Children with Asthma

Figure 27: Percent of children ever diagnosed with asthma, Metropolitan Counties and Ohio, 2008



Source: Ohio Department of Job & Family Services, 2008 Ohio Family Health Survey.

Childhood Lead Poisoning

Table 29: Childhood (under age 6) lead poison screening, Cincinnati, rest of Hamilton County and Ohio, 1999-2010

Lead Poisoning Screening		1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Cincinnati	Total Children Screened For Lead Poisoning (0-72 Months)	7,018	5,455	7,477	7,673	8,890	7,844	10,806	11,408	13,276	13,588	13,046	14,957
	Number Of Children Screened Who Exhibited Elevated Blood Levels*	523	391	494	383	351	213	259	209	238	232	204	177
	Percentage Of Children Screened Who Exhibited Elevated Blood Levels*	7.5%	7.2%	6.6%	5.0%	3.9%	2.7%	2.4%	1.8%	1.8%	1.7%	1.6%	1.2%
Rest of Hamilton County	Total Children Screened For Lead Poisoning (0-72 Months)	2,294	478	354	416	526	367	428	452	590	630	649	580
	Number Of Children Screened Who Exhibited Elevated Blood Levels*	37	20	23	27	32	18	12	9	16	3	7	3
	Percentage Of Children Screened Who Exhibited Elevated Blood Levels*	1.6%	4.2%	6.5%	6.5%	6.1%	4.9%	2.8%	2.0%	2.7%	0.5%	1.1%	0.5%
Ohio	Total Children Screened For Lead Poisoning (0-72 Months)	103,644	93,335	100,681	110,319	113,150	105,984	124,980	128,801	155,162	159,235	147,977	155,166
	Number Of Children Screened Who Exhibited Elevated Blood Levels*	8,107	6,705	6,299	5,669	4,770	3,737	3,317	2,742	2,748	2,594	2,238	2,050
	Percentage Of Children Screened Who Exhibited Elevated Blood Levels*	7.8%	7.2%	6.3%	5.1%	4.2%	3.5%	2.7%	2.1%	1.8%	1.6%	1.5%	1.3%

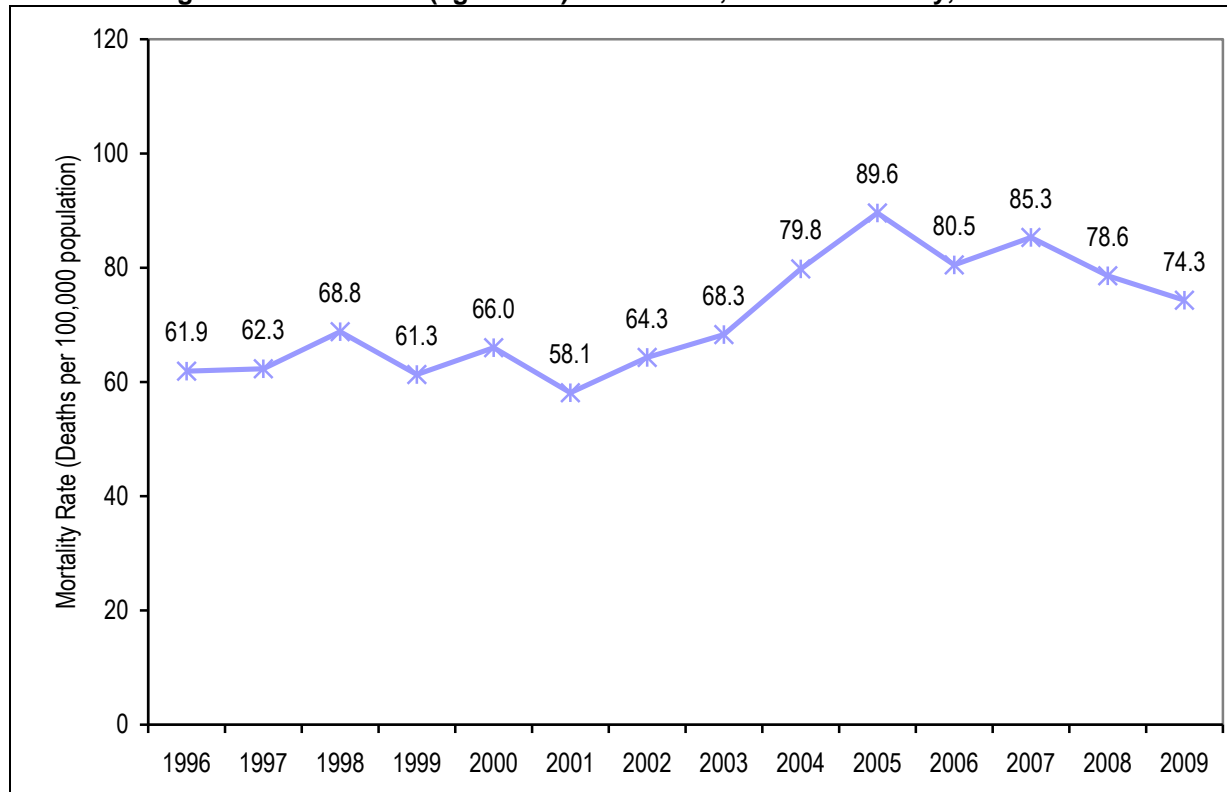
* Above 10 ug/dL; ug/dL=micrograms per deciliter of blood

Source: Ohio Department of Health; http://www.odh.ohio.gov/odhPrograms/cfhs/lead_ch/lead_data.aspx.

Infant, Child, Adolescent, and Young Adult Mortality

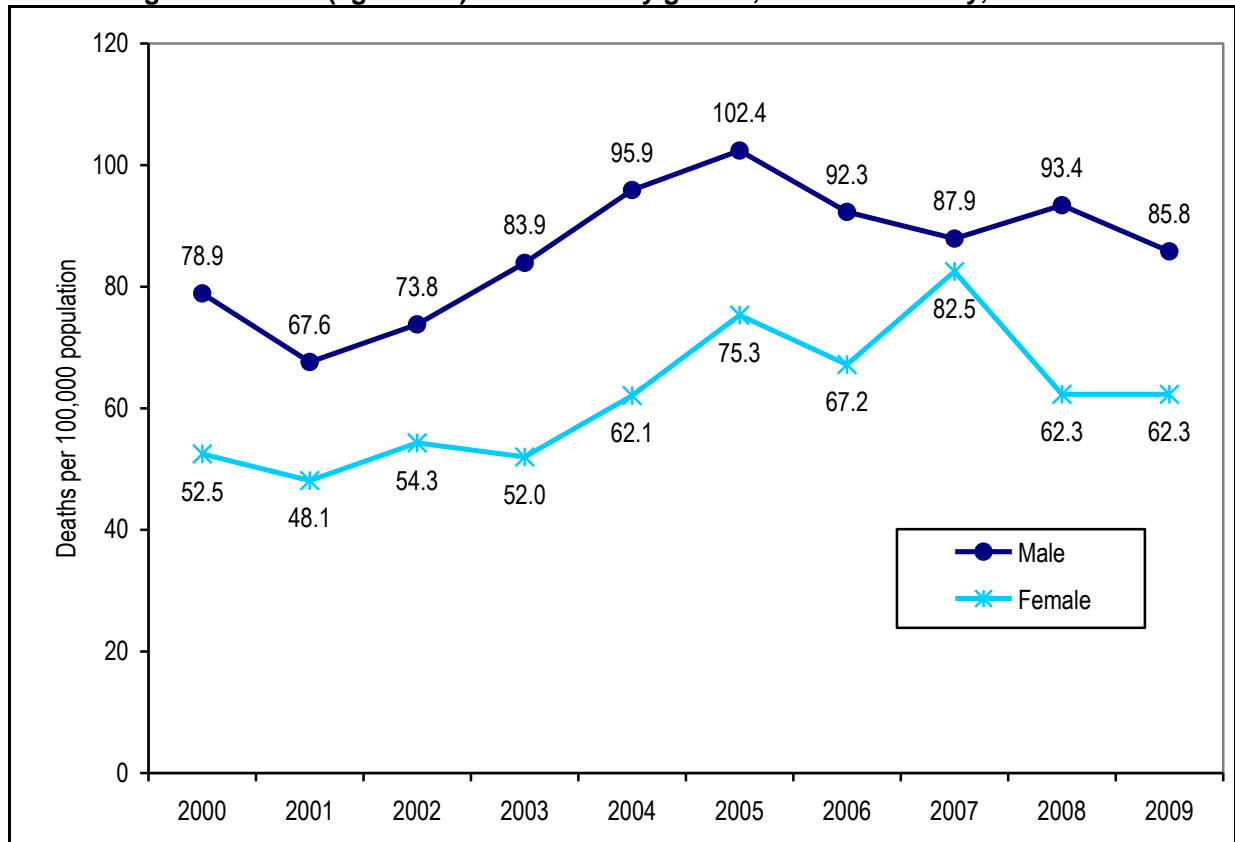
Total Child Death Rates

Figure 28: Total child (aged 0-17) death rates, Hamilton County, 1996-2009



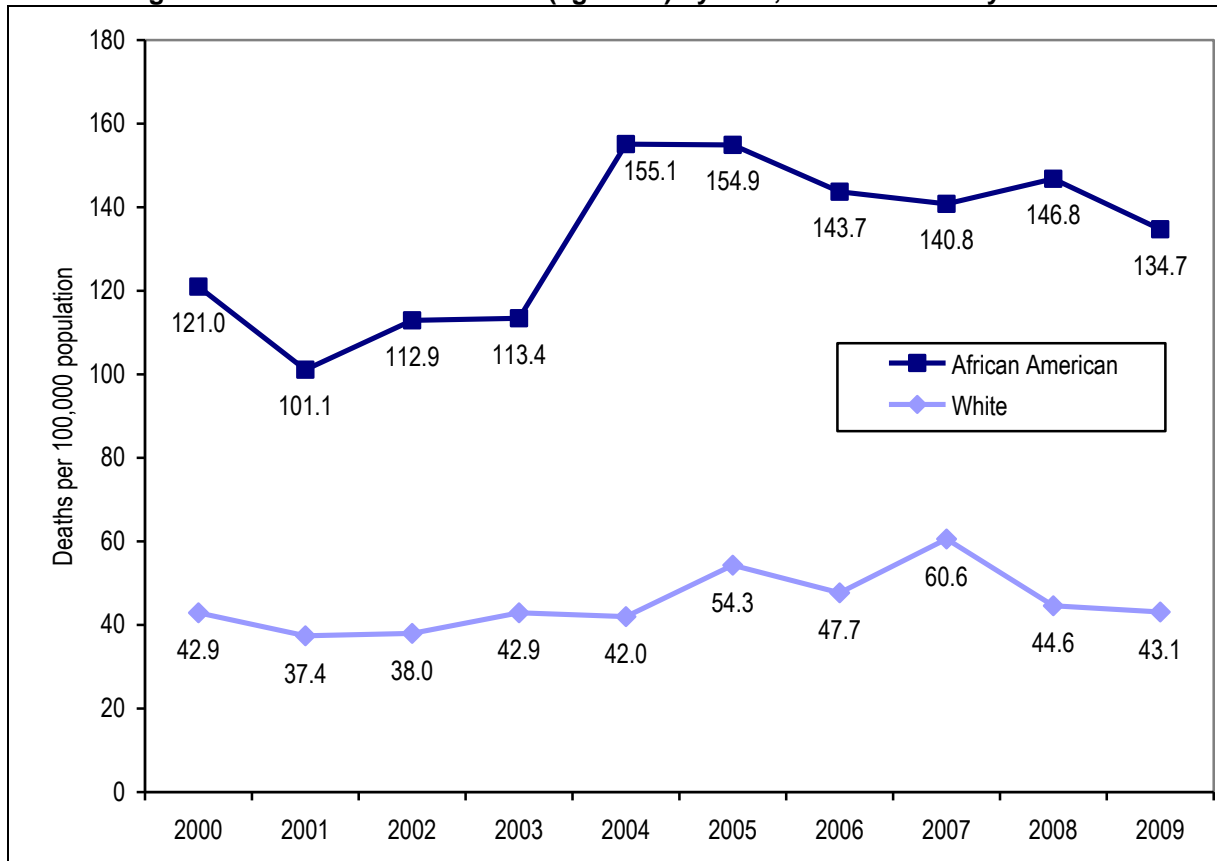
Sources: Report of Hamilton County Child Fatality Review Team, 2009. Rates were calculated using the 2000 decennial census and the 2008 postcensus estimate series by year. Postcensus population estimates are available from the National Center for Health Statistics and prepared under a collaborative arrangement with the U.S. Census Bureau, www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm. The 2008 population estimate was used to compute the 2009 rate, since 2009 population estimates were not available as of this writing.

Figure 29. Child (aged 0-17) death rates by gender, Hamilton County, 2000-2009



Sources: Report of Hamilton County Child Fatality Review Team, 2009. Rates were calculated using the 2000 decennial census and the 2008 postcensus estimate series by year. Postcensus population estimates are available from the National Center for Health Statistics and prepared under a collaborative arrangement with the U.S. Census Bureau, www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm. The 2008 population estimate was used to compute the 2009 rate, since 2009 population estimates were not available as of this writing.

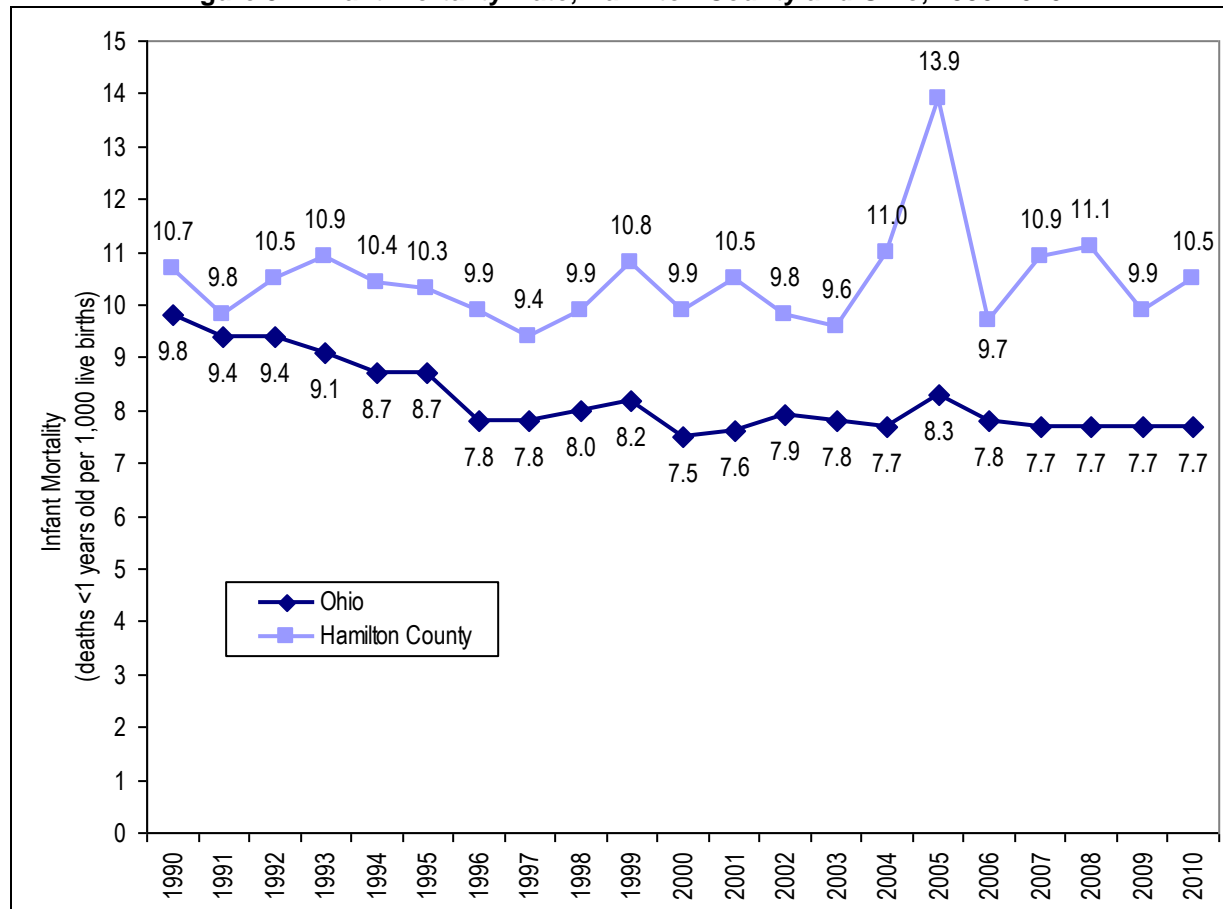
Figure 30. Total child death rates (age 0-17) by race, Hamilton County 2000-2009



Sources: Report of Hamilton County Child Fatality Review Team, 2009. Rates were calculated using the 2000 decennial census and the 2008 postcensus estimate series by year. Postcensus population estimates are available from the National Center for Health Statistics and prepared under a collaborative arrangement with the U.S. Census Bureau, www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm. The 2008 population estimate was used to compute the 2009 rate, since 2009 population estimates were not available as of this writing.

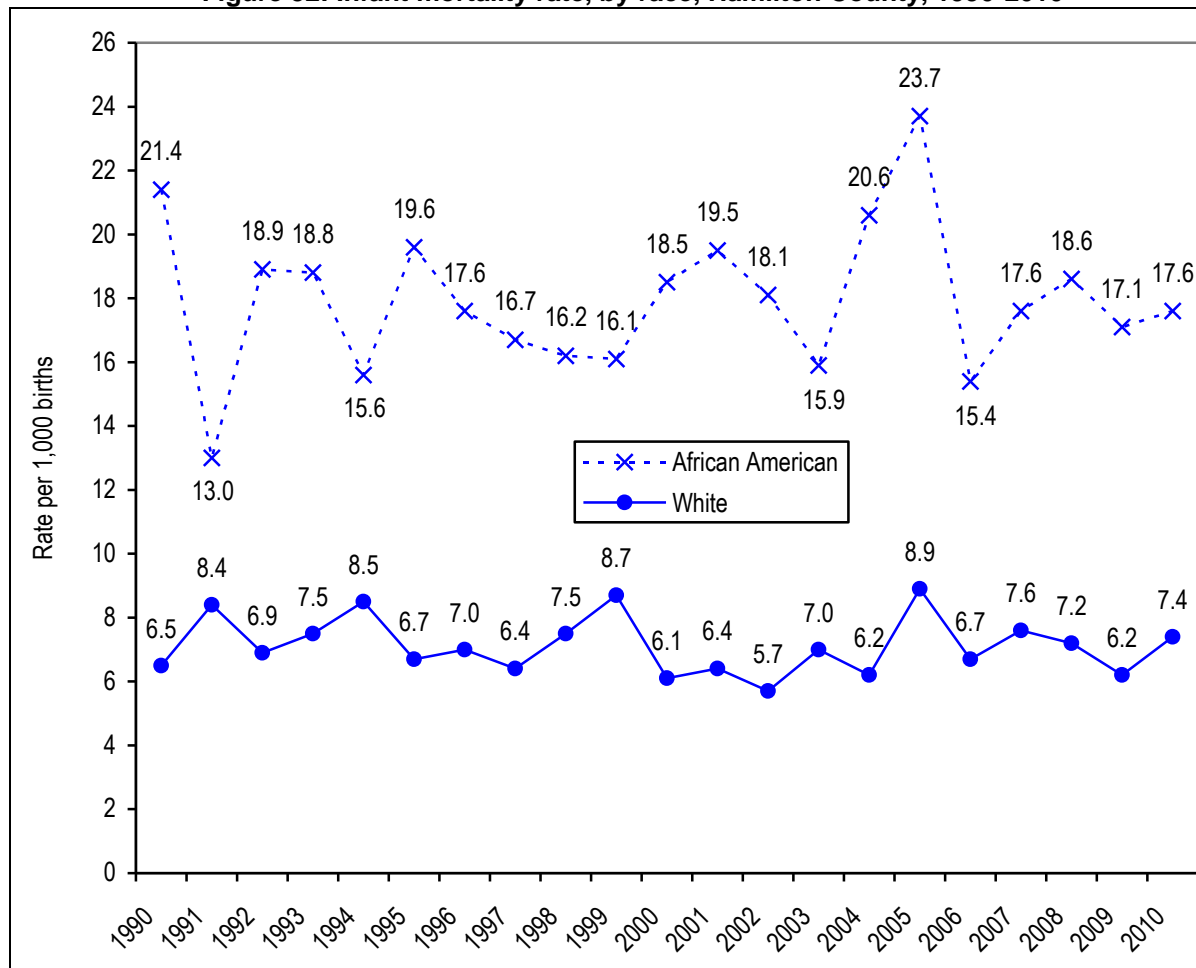
Infant Mortality

Figure 31: Infant mortality* rate, Hamilton County and Ohio, 1990-2010



* Infant mortality is defined as death within the first year of life.
Source: Ohio Department of Health Information Warehouse.

Figure 32: Infant mortality rate, by race, Hamilton County, 1990-2010



Source: Ohio Department of Health Information Warehouse.

Causes of Infant Deaths

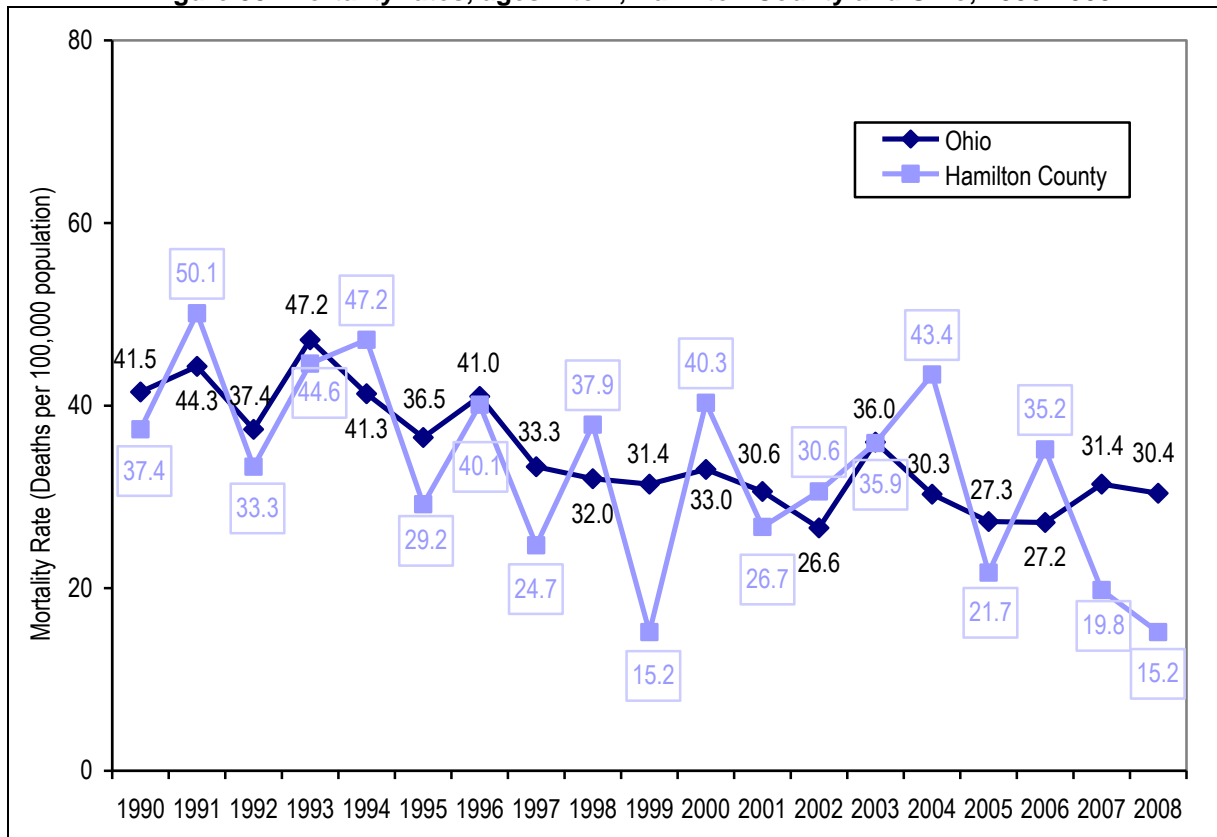
Table 30: Percent of infant deaths by cause of death, Hamilton County and Ohio, 2000-2010

Infant mortality rates by cause		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Ohio	Disorders related to short gestation and low birth weight, not elsewhere classified	14.6%	15.9%	15.6%	16.3%	14.2%	16.6%	18.8%	19.3%	19.7%	19.6%	18.9%
	Congenital malformations, deformations and chromosomal abnormalities	20.2%	19.2%	19.9%	17.2%	19.9%	19.2%	18.9%	18.9%	18.2%	18.8%	20.1%
	Sudden infant death syndrome	9.8%	8.0%	8.9%	7.8%	9.3%	6.7%	8.4%	7.6%	6.9%	9.1%	10.0%
	Newborn affected by maternal complications of pregnancy	7.2%	6.8%	7.7%	6.3%	7.2%	8.3%	6.6%	7.4%	6.6%	6.1%	7.9%
	Accidents (unintentional injuries)	2.5%	3.9%	3.9%	4.4%	4.9%	5.1%	5.5%	5.7%	6.5%	6.4%	5.0%
	Newborn affected by complications of placenta, cord and membranes	4.6%	5.1%	4.6%	4.8%	5.0%	4.5%	6.0%	3.4%	5.7%	4.7%	5.4%
	Respiratory distress of newborn	2.9%	3.2%	3.4%	2.9%	3.5%	2.9%	2.4%	2.8%	2.1%	1.6%	2.1%
	Bacterial sepsis of newborn	3.1%	1.6%	2.3%	3.0%	2.2%	3.1%	2.0%	1.8%	2.0%	2.7%	1.6%
	Gastritis, duodenitis, and noninfective enteritis and colitis	0.8%	0.6%	0.9%	0.6%	0.7%	0.9%	1.0%	1.6%	2.0%	0.2%	0.0%
	Necrotizing enterocolitis of newborn	0.9%	1.8%	1.4%	1.4%	1.9%	2.4%	1.6%	1.5%	1.6%	1.7%	2.0%
	All Other	33.3%	34.0%	31.4%	35.2%	31.2%	30.2%	28.9%	30.0%	28.8%	29.0%	27.1%
	Total Infant Deaths	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Hamilton County	Disorders related to short gestation and low birth weight, not elsewhere classified	21.5%	21.0%	17.5%	23.0%	15.1%	13.8%	21.9%	24.0%	23.7%	23.0%	24.6%
	Congenital malformations, deformations and chromosomal abnormalities	18.2%	13.7%	13.2%	9.7%	20.6%	15.1%	19.3%	17.1%	16.0%	16.8%	16.7%
	Sudden infant death syndrome	8.3%	4.0%	9.6%	6.2%	7.1%	1.9%	7.0%	10.1%	6.1%	5.3%	10.5%
	Newborn affected by maternal complications of pregnancy	5.8%	6.5%	7.9%	8.8%	5.6%	6.9%	4.4%	7.8%	6.1%	5.3%	9.6%
	Accidents (unintentional injuries)	3.3%	6.5%	5.3%	5.3%	4.0%	6.3%	4.4%	1.6%	9.2%	5.3%	3.5%
	Newborn affected by complications of placenta, cord and membranes	5.8%	5.6%	8.8%	6.2%	6.3%	3.1%	8.8%	5.4%	2.3%	5.3%	9.6%
	Respiratory distress of newborn	3.3%	2.4%	1.8%	2.7%	1.6%	3.8%	0.9%	3.9%	3.1%	3.5%	2.6%
	Bacterial sepsis of newborn	2.5%	0.0%	2.6%	5.3%	2.4%	3.8%	1.8%	2.3%	3.8%	2.7%	0.0%
	Gastritis, duodenitis, and noninfective enteritis and colitis	0.8%	1.6%	2.6%	0.9%	1.6%	0.6%	2.6%	2.3%	0.8%	0.0%	0.0%
	Necrotizing enterocolitis of newborn	0.0%	2.4%	3.5%	0.9%	2.4%	6.3%	2.6%	2.3%	0.8%	4.4%	5.3%
	All Other	30.6%	36.3%	27.2%	31.0%	33.3%	38.4%	26.3%	23.3%	28.2%	28.3%	17.5%
	Total Infant Deaths	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Sources: 1990-2008: Ohio Department of Health Information Warehouse; 2009-2010: Ohio Department of Health, Center for Public Health Statistics and Informatics, Vital Statistics Annual County Birth Summary.

Mortality of Young Children

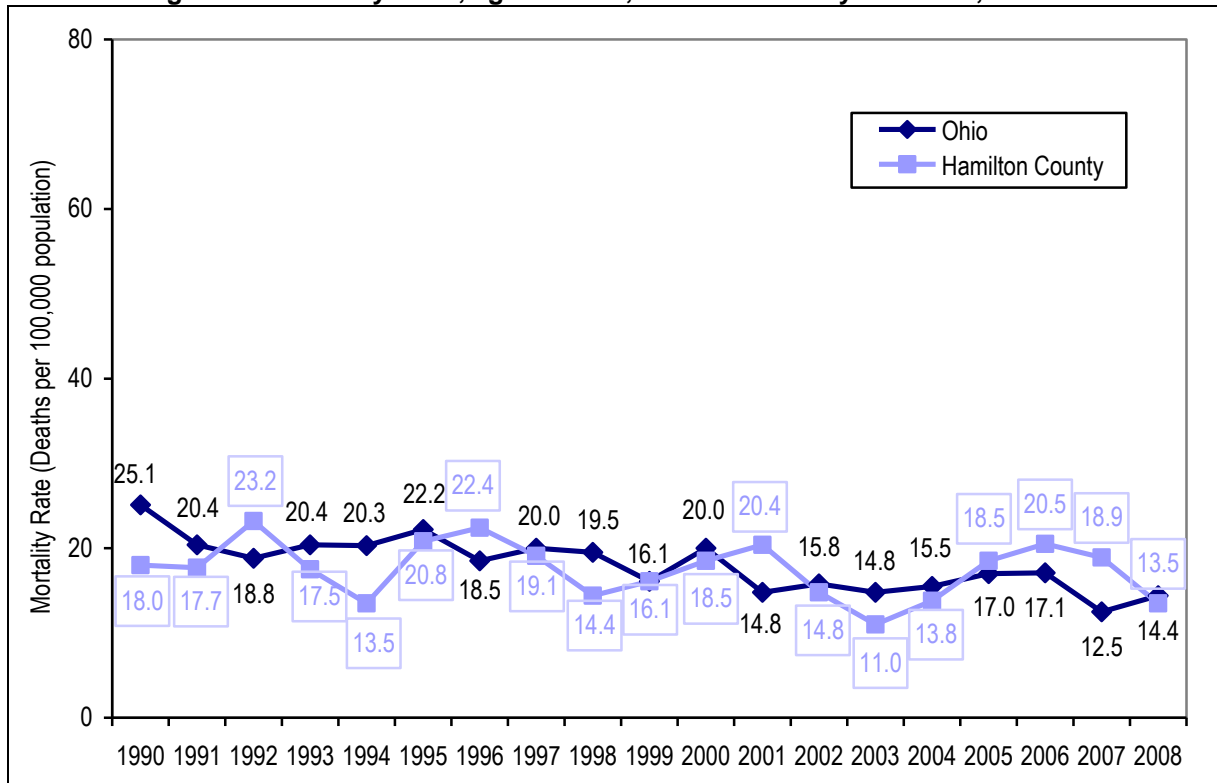
Figure 33: Mortality rates, ages 1 to 4, Hamilton County and Ohio, 1990-2008



Source: Ohio Department of Health Information Warehouse.

Mortality of Older Children and Adolescents

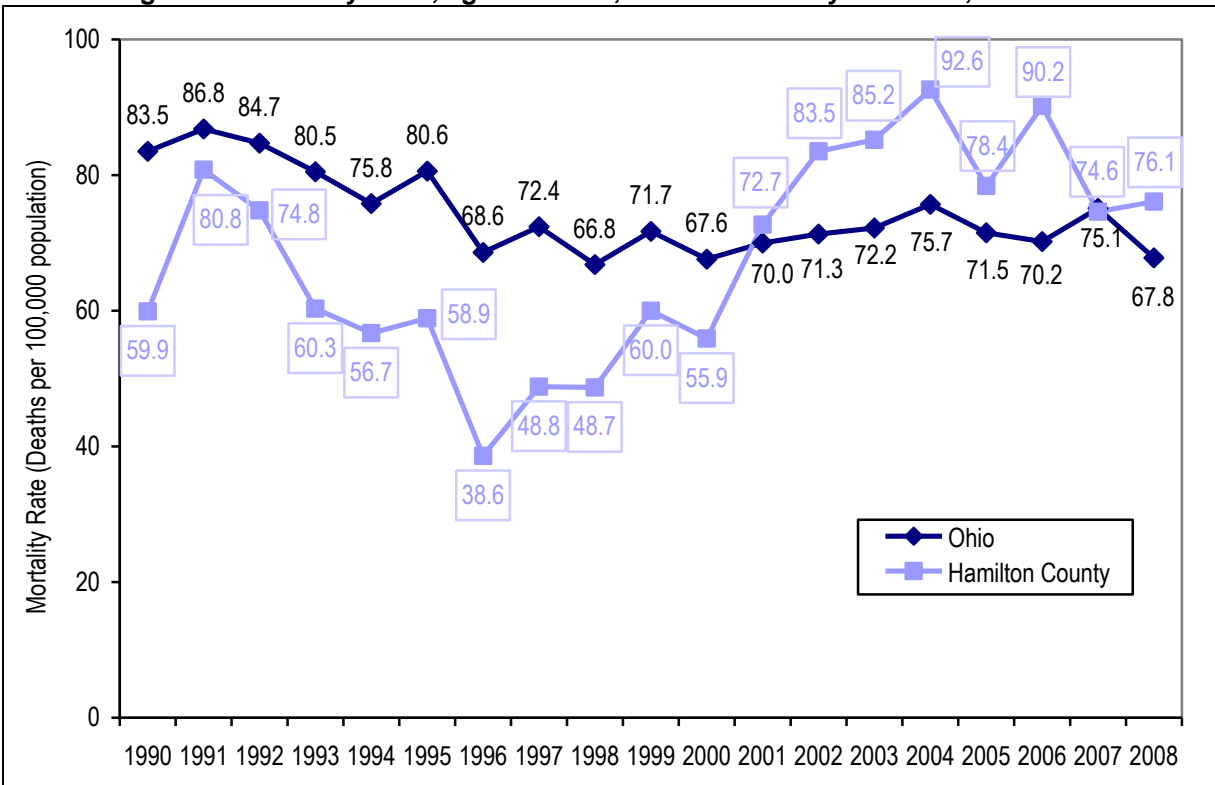
Figure 34. Mortality rates, ages 5 to 14, Hamilton County and Ohio, 1990-2008



Source: Ohio Department of Health Information Warehouse.

Young Adult Mortality

Figure 35. Mortality rates, ages 15 to 24, Hamilton County and Ohio, 1990-2008



Source: Ohio Department of Health Information Warehouse.

Deaths by Cause Among Children, Adolescents and Young Adults

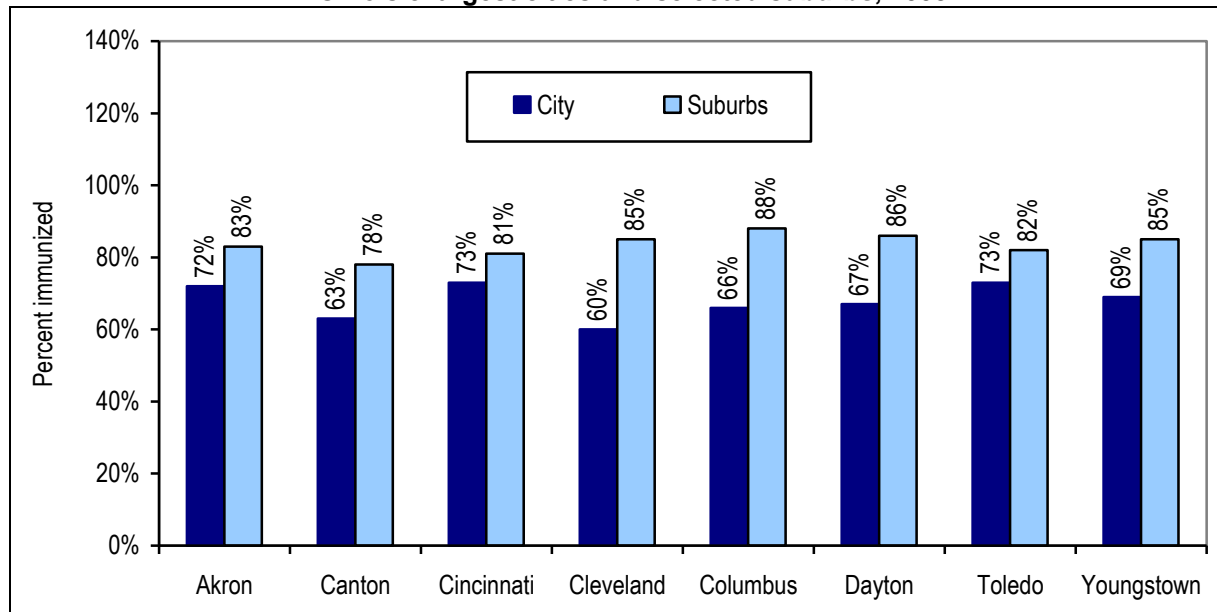
Table 31: Mortality rates by cause of death among children, adolescents and young adults (aged 1-24), by age group and sex, Hamilton County and Ohio, 2000-2008

Mortality Rates per 100,000	Age	2000-2002			2003-2005			2006-2008		
		Total	Male	Female	Total	Male	Female	Total	Male	Female
Accidental injury										
Hamilton County	1-4 years	5.9	4.3	7.6	10.2	10.1	10.4	5.8	7.2	4.4
	5-14 years	4.9	6.4	3.3	4.0	6.2	1.8	4.2	5.2	3.0
	15-24 years	20.8	30.7	10.7	25.1	35.9	13.7	21.6	35.0	7.3
Ohio	1-4 years	8.3	10.0	6.6	10.1	12.1	8.0	7.9	8.8	6.8
	5-14 years	6.6	8.0	5.1	5.7	7.1	4.3	4.7	5.8	3.6
	15-24 years	30.4	44.5	16.1	32.7	47.7	17.3	30.4	44.9	15.3
Homicide										
Hamilton County	1-4 years	7.4	10.1	4.5	4.4	1.4	7.4	2.9	5.7	0.0
	5-14 years	1.4	1.1	1.7	0.6	0.6	0.6	2.7	4.1	1.2
	15-24 years	17.4	32.9	1.7	27.3	45.7	8.0	24.9	46.1	2.3
Ohio	1-4 years	3.3	3.5	3.1	2.2	2.1	2.3	3.5	3.9	3.0
	5-14 years	0.9	0.9	0.9	0.8	1.1	0.6	0.9	1.1	0.8
	15-24 years	8.0	12.8	3.1	10.2	17.0	3.1	10.3	17.3	3.0
Suicide										
Hamilton County	1-4 years	---	---	---	---	---	---	---	---	---
	5-14 years	---	---	---	---	---	---	---	---	---
	15-24 years	7.3	13.4	1.1	9.2	13.1	5.1	13.1	19.6	6.2
Ohio	1-4 years	---	---	---	---	---	---	---	---	---
	5-14 years	---	---	---	---	---	---	---	---	---
	15-24 years	9.5	16.5	2.3	10.4	17.2	3.4	11.1	18.2	3.8
Heart disease										
Hamilton County	1-4 years	0.0	0.0	0.0	1.5	2.9	0.0	1.5	1.4	1.5
	5-14 years	0.5	1.1	0.0	0.3	0.0	0.6	0.6	0.6	0.6
	15-24 years	3.9	6.1	1.7	4.7	5.4	4.0	3.8	4.2	3.4
Ohio	1-4 years	1.3	1.7	0.8	1.8	2.5	1.0	1.4	1.5	1.2
	5-14 years	0.8	0.9	0.6	0.7	0.9	0.6	0.4	0.5	0.4
	15-24 years	2.6	3.3	1.8	2.8	3.7	1.9	2.6	3.6	1.6
Cancer										
Hamilton County	1-4 years	3.0	0.0	6.0	0.0	0.0	0.0	1.5	2.9	0.0
	5-14 years	4.3	3.7	5.0	2.9	4.5	1.2	1.8	1.2	2.4
	15-24 years	3.9	5.0	2.8	2.2	2.7	1.7	3.3	4.2	2.3
Ohio	1-4 years	2.2	2.1	2.4	1.7	2.1	1.4	2.2	2.4	2.0
	5-14 years	2.4	3.0	1.8	2.4	2.9	2.0	2.4	2.4	2.3
	15-24 years	4.3	5.1	3.5	4.0	4.9	3.1	3.8	4.3	3.2
Influenza/ Pneumonia										
Hamilton County	1-4 years	0.0	0.0	0.0	1.5	0.0	3.0	0.0	0.0	0.0
	5-14 years	0.5	0.5	0.6	0.0	0.0	0.0	0.6	0.6	0.6
	15-24 years	0.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ohio	1-4 years	0.5	0.1	0.9	0.7	0.5	0.8	0.7	0.6	0.9
	5-14 years	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2
	15-24 years	0.3	0.3	0.2	0.4	0.2	0.5	0.3	0.3	0.3
Chronic Lower Respiratory Diseases (CLRD)										
Hamilton County	1-4 years	1.5	0.0	3.0	0.7	1.4	0.0	0.0	0.0	0.0
	5-14 years	0.5	0.0	1.1	0.6	0.6	0.6	0.6	1.2	0.0
	15-24 years	0.8	0.6	1.1	0.0	0.0	0.0	0.3	0.5	0.0
Ohio	1-4 years	0.3	0.3	0.2	0.3	0.1	0.5	0.5	0.4	0.5
	5-14 years	0.2	0.3	0.1	0.1	0.2	0.1	0.3	0.3	0.3
	15-24 years	0.5	0.4	0.5	0.4	0.5	0.3	0.3	0.4	0.3

Source: Ohio Department of Health Information Warehouse.

Early Childhood Immunization

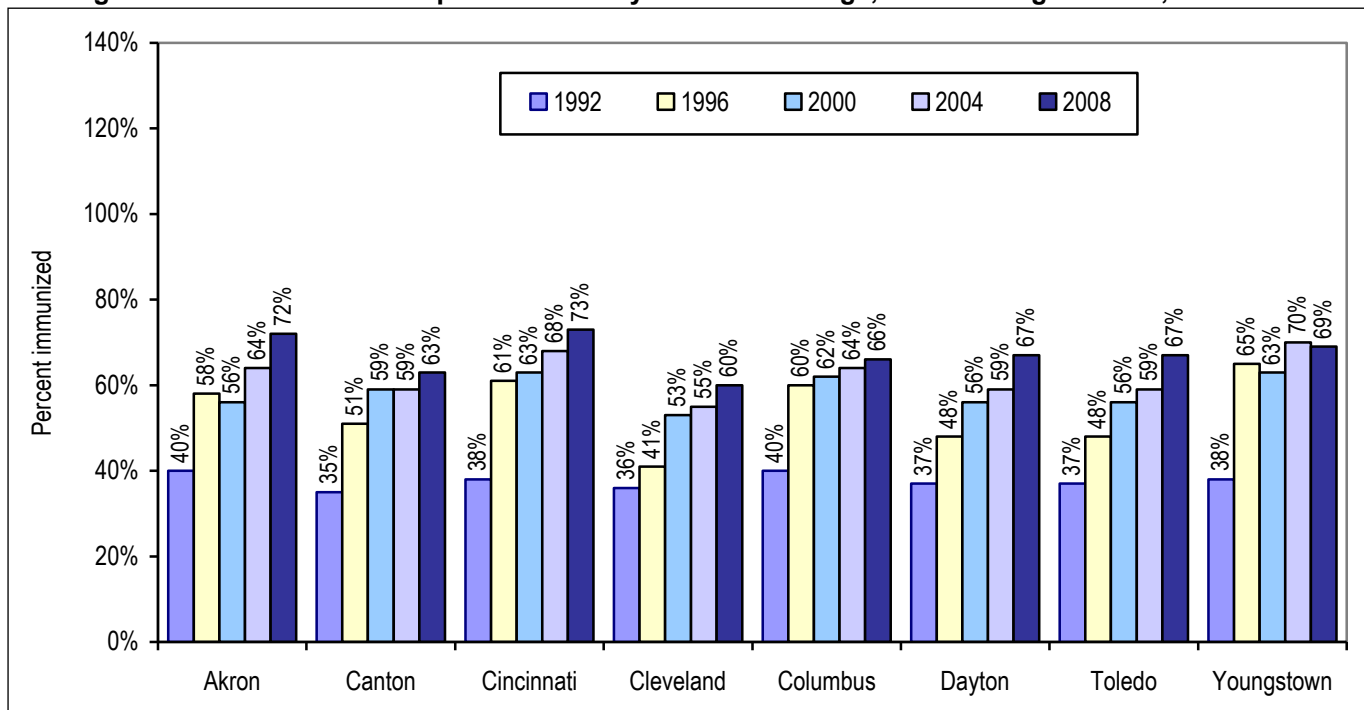
Figure 36: Immunization completion rates* by 24 months of age, Ohio's 8 largest cities and selected suburbs, 2008



* Completion of 4:3:1 series (4 doses of diphtheria, tetanus, and acellular pertussis vaccine, 3 doses of polio vaccine, and 1 dose of measles, mumps, and rubella vaccine).

Source: Ohio Department of Health Immunization Program, Year 2008 Eight Major Cities, Selected Suburbs, and Rural Counties Kindergarten Survey: A Retrospective Assessment of Immunization Status among Ohio's 2-Year Olds, August 2008.

Figure 37. Immunization completion rates* by 24 months of age, Ohio's 8 largest cities, 1992-2008



* Completion of 4:3:1 series (4 doses of diphtheria, tetanus, and acellular pertussis vaccine, 3 doses of polio vaccine, and 1 dose of measles, mumps, and rubella vaccine).

Source: Ohio Department of Health Immunization Program, Year 2008 Eight Major Cities, Selected Suburbs, and Rural Counties Kindergarten Survey: A Retrospective Assessment of Immunization Status among Ohio's 2-Year Olds, August 2008.

Table 32. Percent change in immunization completion rates* by 24 months of age, Ohio's 8 largest cities and selected suburbs, 1992-2008

Survey Area	Percent change, 1992-2008	Survey Area	Percent change, 1992-2008
Akron City	32%	Columbus City	26%
Akron Suburbs	31%	Columbus Suburbs	41%
Canton City	28%	Dayton City	30%
Canton Suburbs	21%	Dayton Suburbs	40%
Cincinnati City	35%	Toledo City	40%
Cincinnati Suburbs	35%	Toledo Suburbs	39%
Cleveland City	24%	Youngstown City	31%
Cleveland Suburbs	31%	Youngstown Suburbs	29%

Completion of 4:3:1 series (4 doses of diphtheria, tetanus, and acellular pertussis vaccine, 3 doses of polio vaccine, and 1 dose of measles, mumps, and rubella vaccine).

Source: Ohio Department of Health Immunization Program, Year 2008 Eight Major Cities, Selected Suburbs, and Rural Counties Kindergarten Survey: A Retrospective Assessment of Immunization Status among Ohio's 2-Year Olds, August 2008.

Oral Health Care

Table 33: School-based dental sealant program,* Hamilton County and Ohio, 2006/07-2009/10 school years

		2006-2007 School Year	2007-2008 School Year	2008-2009 School Year	2009- 2010 School Year
Hamilton County	Number of schools eligible for school-based sealant programs*	82	92	82	91
	Number of schools participating in school-based sealant programs**	67	75	74	54
	Percent of eligible schools participating in school-based sealant programs**	81.7%	81.5%	90.2%	59.3%
Ohio	Number of schools eligible for school-based sealant programs*	1,292	1,353	1,201	1,500
	Number of schools participating in school-based sealant programs**	503	637	686	737
	Percent of eligible schools participating in school-based sealant programs**	38.9%	47.1%	57.2%	49.1%

* Schools that are eligible for the school-based sealant program have 40% or more of students eligible for the free and reduced lunch program.

** Schools that will be served by school-based sealant programs in the 2010-11 school year.

Source: Ohio Oral Health Surveillance System.

Table 34: Percent of population < 18 years old with a dental visit, Hamilton County and Ohio, 2008

	Percent with a dental visit, past year	Percent who never visited a dentist
Hamilton County	74.7%	12.1%
Ohio	75.8%	12.4%

Source: Ohio Oral Health Surveillance System, from 2008 Ohio Family Health Survey.

Table 35: Percent of Medicaid-eligible children with a dental visit, Hamilton County and Ohio, State Fiscal Years 2006-2009

		SFY 2006	SFY 2007	SFY 2008	SFY 2009
Hamilton County	0-2 years old	8.4%	15.8%	16.5%	10.5%
	3-18 years old	37.6%	42.9%	42.9%	45.2%
Ohio	0-2 years old	8.7%	10.6%	11.7%	7.4%
	3-18 years old	41.9%	39.9%	41.5%	43.2%

Source: Ohio Oral Health Surveillance System.

Table 36: Indicators of oral health among 3rd grade students, Hamilton County and Ohio, 2009-2010 school year

Hamilton County	History of tooth decay*	39.5%
	Early or urgent dental needs**	7.3%
	Toothache in the last 6 months	10.6%
	Dental visit during the past year	77.9%
Ohio	History of tooth decay*	51.2%
	Early or urgent dental needs**	18.8%
	Toothache in the last 6 months	11.4%
	Dental visit during the past year	80.1%

* History of tooth decay: a child either had an untreated cavity, a filling, or a permanent tooth that was missing because it had been extracted due to tooth decay.

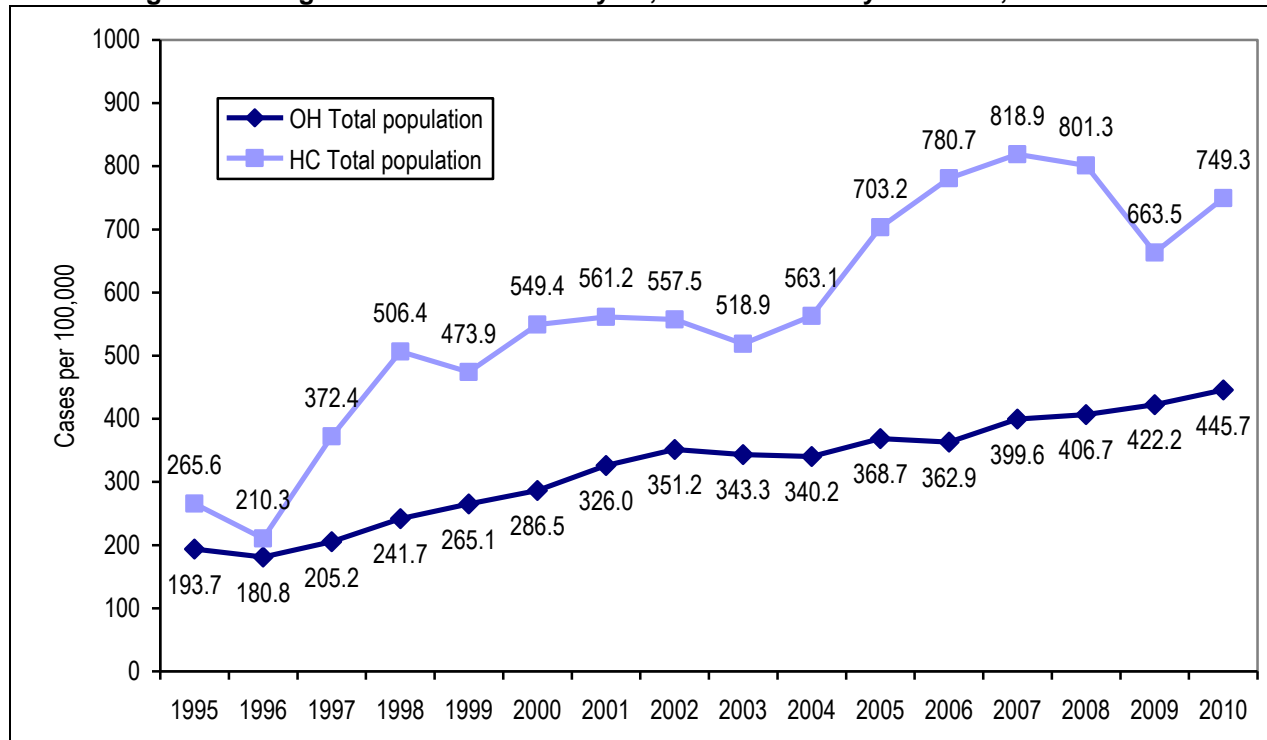
** Early or urgent dental needs: an “early” visit to the dentist is one that should be scheduled within several weeks; an “urgent” visit is one that should be scheduled within 24 hours.

Source: Ohio Department of Health, Oral Health Isn't Optional! A Report on the Oral Health of Ohioans and Their Access to Dental Care, 2011.

Sexually Transmitted Diseases

Chlamydia

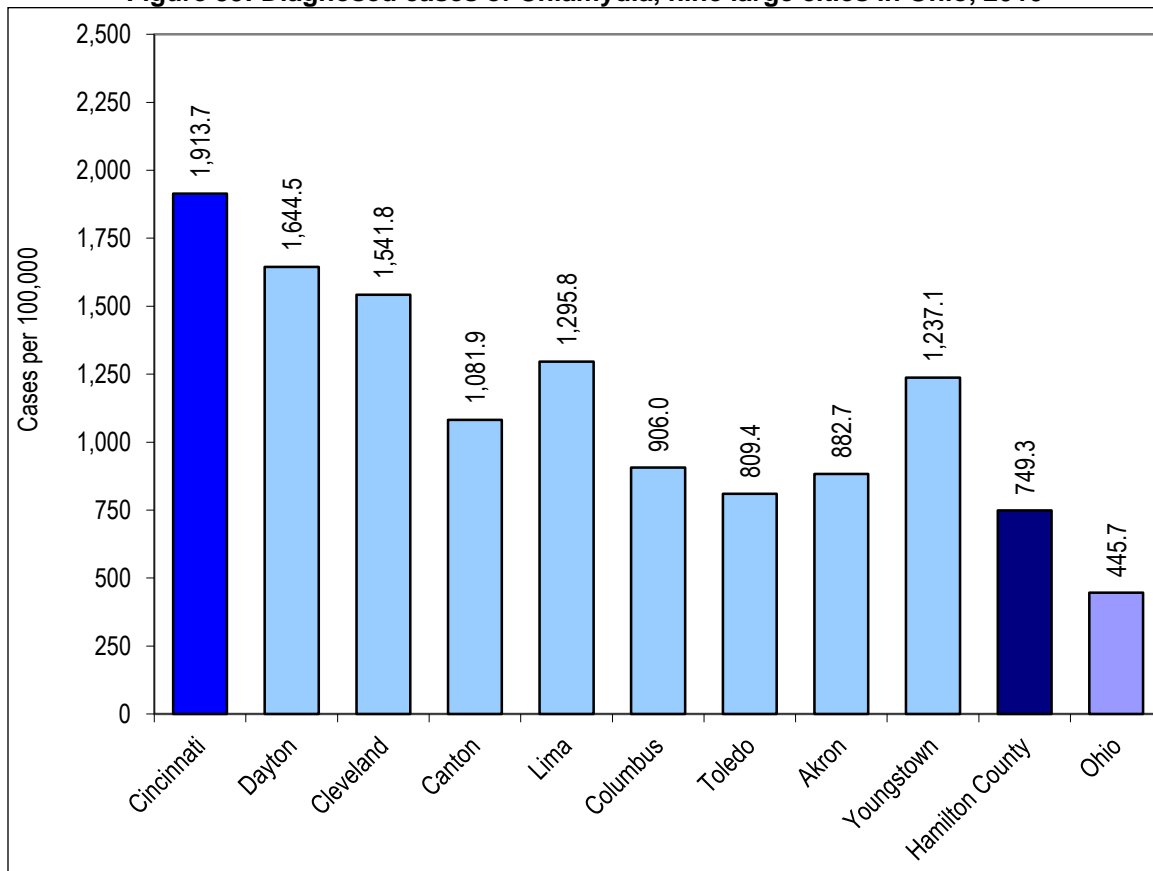
Figure 38: Diagnosed cases of Chlamydia, Hamilton County and Ohio, 1995-2010



* Diagnosed cases by year of diagnosis.

Sources: 1995-1999: Ohio Department of Health Information Warehouse; 2000-2005: Ohio Department of Health Infectious Disease Status Reports. 2006-2010: Ohio Department of Health, STD Surveillance. Data reported through 03/05/11.

Figure 39: Diagnosed cases of Chlamydia, nine large cities in Ohio, 2010



Source: Ohio Department of Health, STD Surveillance. Data reported through 03/05/11.

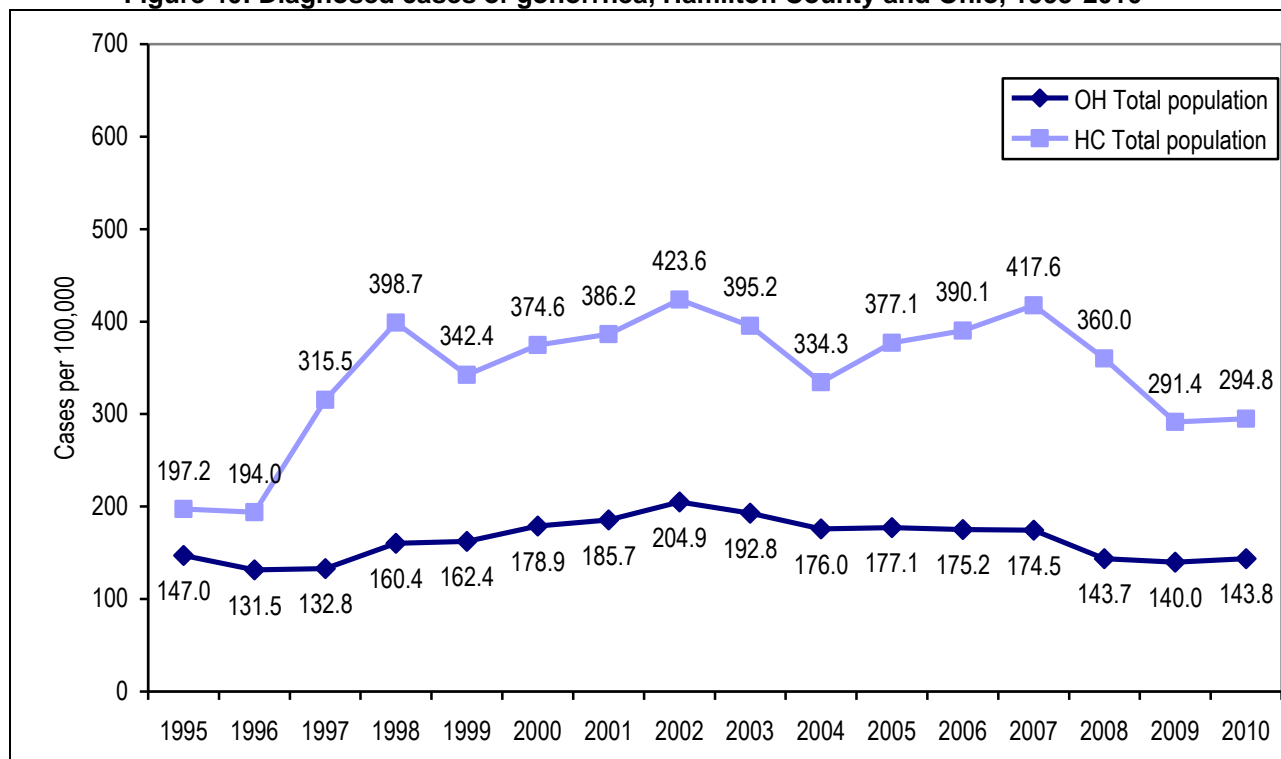
Table 37: Diagnosed cases of Chlamydia, nine large cities in Ohio, Hamilton County, and Ohio, 2001-2010

Cases per 100,000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Cincinnati	1,423.7	1,385.4	1,275.3	1,375.8	1,724.1	1,937.2	2,046.7	1,987.6	1,695.7	1,913.7
Dayton	1,259.4	1,065.4	1,191.7	1,215.9	1,149.8	1,266.4	1,565.7	1,742.4	1,534.0	1,644.5
Cleveland	999.3	1,086.5	1,170.3	1,085.1	1,044.0	1,111.0	1,254.8	1,176.7	1,515.4	1,541.8
Canton	831.0	965.3	818.9	803.5	1,102.1	1,052.0	1,049.9	1,013.1	1,028.3	1,081.9
Lima	889.1	906.4	916.9	809.7	941.8	280.0	806.6	1,181.6	1,144.4	1,295.8
Columbus	657.3	652.1	554.7	542.4	570.7	599.4	700.7	802.6	868.5	906.0
Toledo	734.4	830.8	699.7	803.3	738.5	633.2	718.3	851.4	784.7	809.4
Akron	504.0	586.4	595.6	579.9	532.8	390.5	703.8	758.6	751.9	882.7
Youngstown	669.3	751.0	728.6	545.5	509.0	730.3	915.8	833.2	861.6	1,237.1
Hamilton County	561.2	557.5	518.9	563.1	703.2	780.7	818.9	801.3	663.5	749.3
Ohio	326.0	351.2	343.3	340.2	368.7	362.9	399.6	406.7	422.2	445.7

Sources: 2001-2005: Ohio Department of Health Infectious Disease Status Reports; 2006-2010: Ohio Department of Health, STD Surveillance. Data reported through 03/05/11.

Gonorrhea

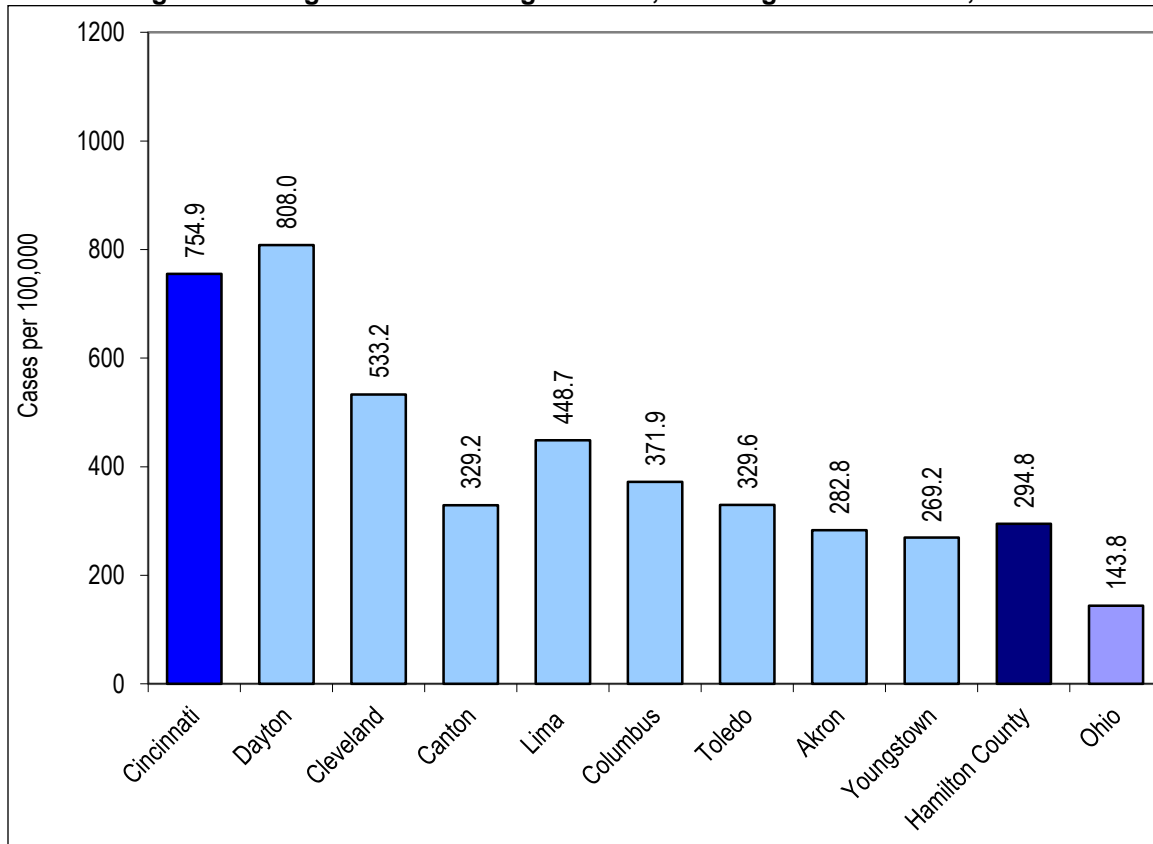
Figure 40: Diagnosed cases of gonorrhea, Hamilton County and Ohio, 1995-2010



* Diagnosed cases by year of diagnosis.

Sources: 1995-1999: Ohio Department of Health Information Warehouse; 2000-2005: Ohio Department of Health Infectious Disease Status Reports. 2006-2010: Ohio Department of Health, STD Surveillance. Data reported through 03/05/11.

Figure 41: Diagnosed cases of gonorrhea, nine large cities in Ohio, 2010



Source: Ohio Department of Health, STD Surveillance. Data reported through 03/05/11.

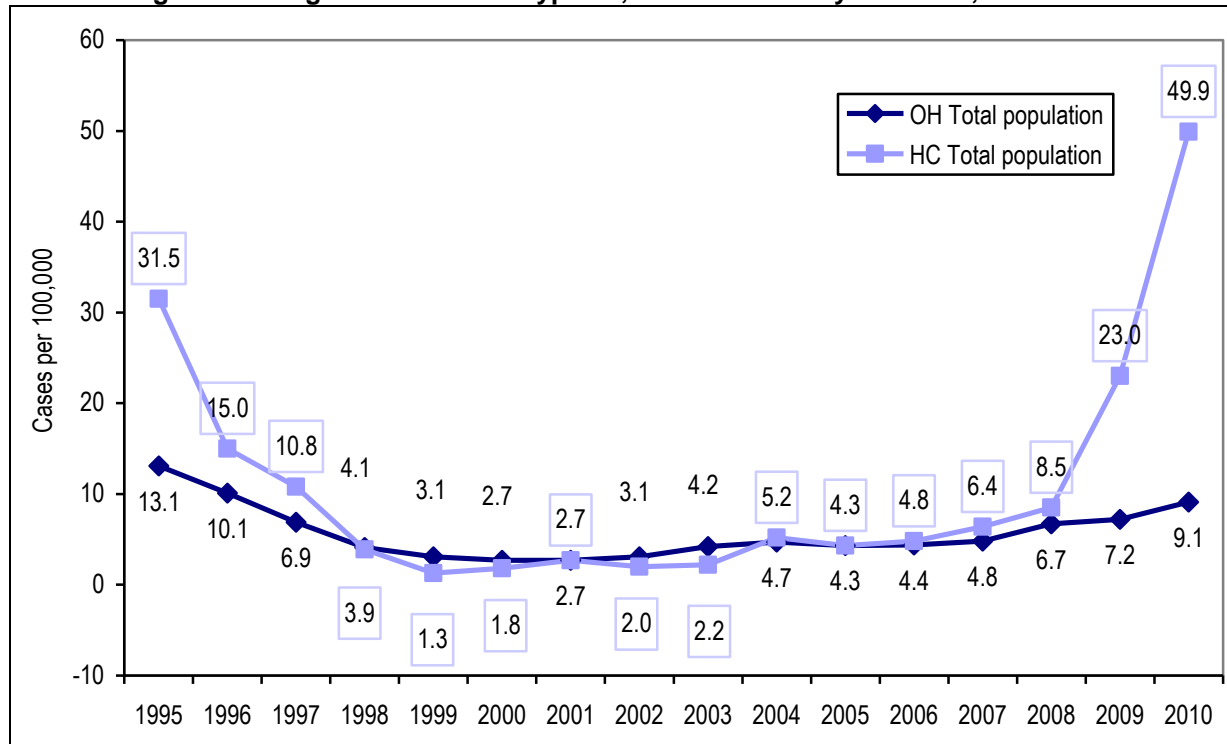
Table 38: Diagnosed cases of gonorrhea, nine large cities in Ohio, Hamilton County, and Ohio, 2001-2010

Cases per 100,000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Cincinnati	983.1	1064.9	983.4	825.3	924.2	977.2	1054.8	901.9	743.8	754.9
Dayton	875.6	918.4	949.4	848.6	776.2	694.8	858.4	643.8	640.3	808.0
Cleveland	812.9	892.6	815.6	702.2	721.1	817.1	620.2	439.1	491.5	533.2
Canton	564.4	773.5	662.4	545.7	487.5	624.9	619.5	512.2	424.9	329.2
Lima	325.5	614.9	697.1	446.1	542.3	397.8	336.3	451.0	472.6	448.7
Columbus	474.9	422.8	360.2	352.2	382.6	390.3	457.3	413.8	345.5	371.9
Toledo	390.5	504.7	374.4	404.0	363.9	208.7	301.7	293.4	315.3	329.6
Akron	422.4	443.7	367.6	409.2	326.4	223.4	356.7	388.7	326.7	282.8
Youngstown						423.8	327.3	270.9	168.5	269.2
Hamilton County	386.2	423.6	395.2	334.3	377.1	390.1	417.6	360.0	291.4	294.8
Ohio	185.7	204.9	192.8	176.0	177.1	175.2	174.5	143.7	140.0	143.8

Sources: 2001-2005: Ohio Department of Health Infectious Disease Status Reports; 2006-2010: Ohio Department of Health, STD Surveillance. Data reported through 03/05/11.

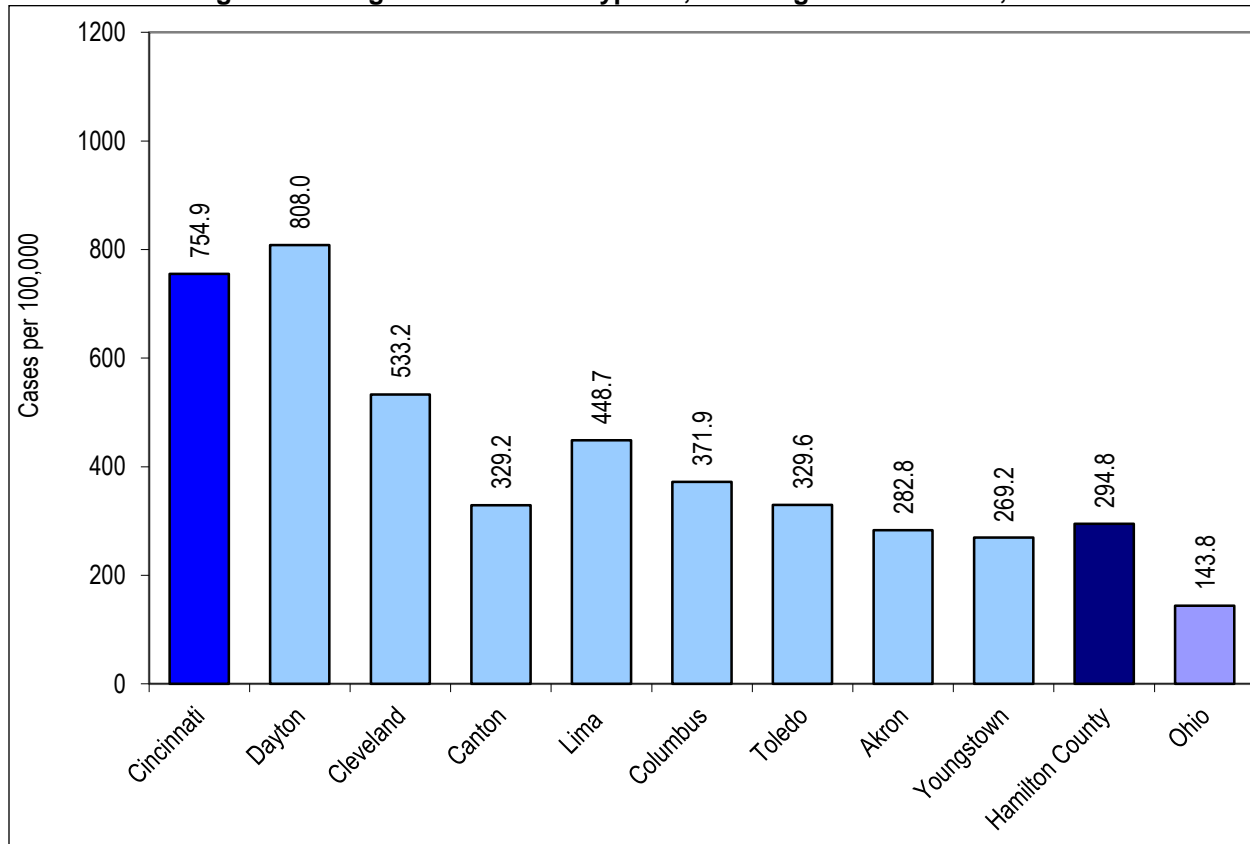
Syphilis

Figure 42: Diagnosed cases of syphilis, Hamilton County and Ohio, 1995-2010



Sources: 1995-1999: Ohio Department of Health Information Warehouse; 2000-2005: Ohio Department of Health Infectious Disease Status Reports 2006-2010: Ohio Department of Health, STD Surveillance. Data reported through 03/21/11.

Figure 43: Diagnosed cases of syphilis, nine large cities in Ohio, 2010



Source: Ohio Department of Health, STD Surveillance. Data reported through 03/21/11.

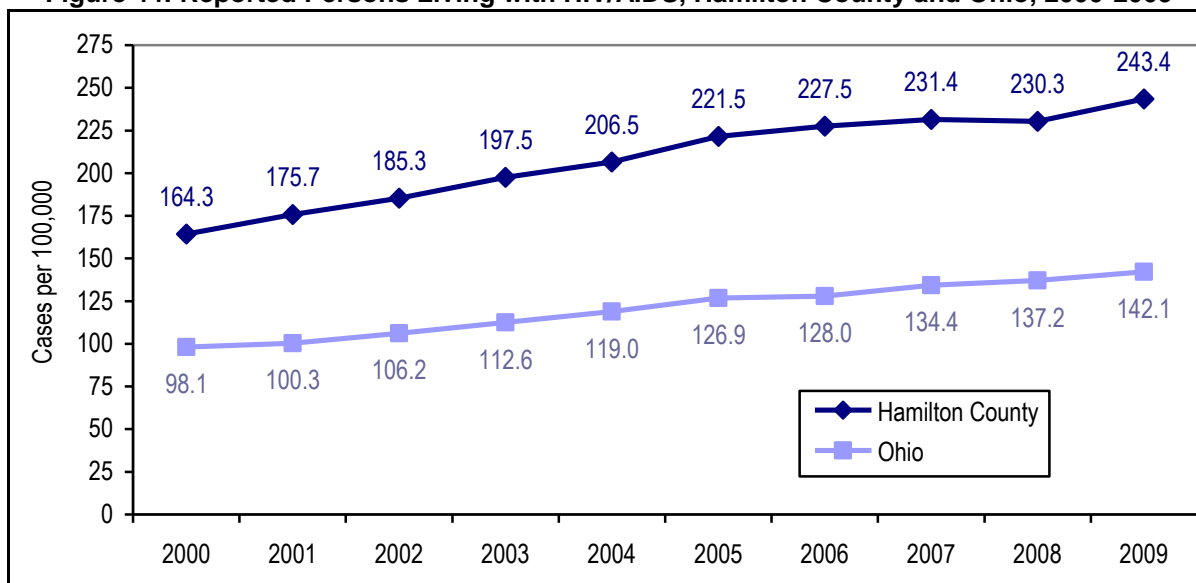
Table 39: Diagnosed cases of syphilis, nine large cities in Ohio, Hamilton County, and Ohio, 2001-2007

Cases per 100,000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Cincinnati	7.5	4.9	5.4	12.9	10.0	11.7	16.8	21.6	58.0	125.8
Dayton	10.8	6.1	8.7	6.3	15.8	10.8	11.6	11.6	23.4	16.9
Cleveland	8.6	2.3	7.6	10.3	7.3	3.4	10.7	16.4	29.2	30.4
Canton	0.0	3.7	3.8	43.8	26.5	6.3	3.8	15.3	8.9	5.1
Lima	7.5	0.0	17.7	0.0	7.8	5.2	2.6	2.6	2.7	2.7
Columbus	19.8	25.0	29.7	26.9	25.2	25.8	21.0	31.9	26.4	23.1
Toledo	0.6	5.5	5.2	4.9	5.0	5.7	7.3	8.8	4.7	4.4
Akron	1.8	2.3	1.9	5.2	9.5	9.1	27.3	36.1	21.2	24.1
Youngstown	1.2	2.5	6.4	9.5	23.0	16.0	10.8	9.6	4.1	6.9
Hamilton County	2.7	2.0	2.2	5.2	4.3	4.8	6.4	8.5	23.0	49.9
Ohio	2.7	3.1	4.2	4.7	4.3	4.4	4.8	6.7	7.2	9.1

Sources: 2001-2005: Ohio Department of Health Infectious Disease Status Reports. 2006-2010: Ohio Department of Health, STD Surveillance. Data reported through 03/21/11.

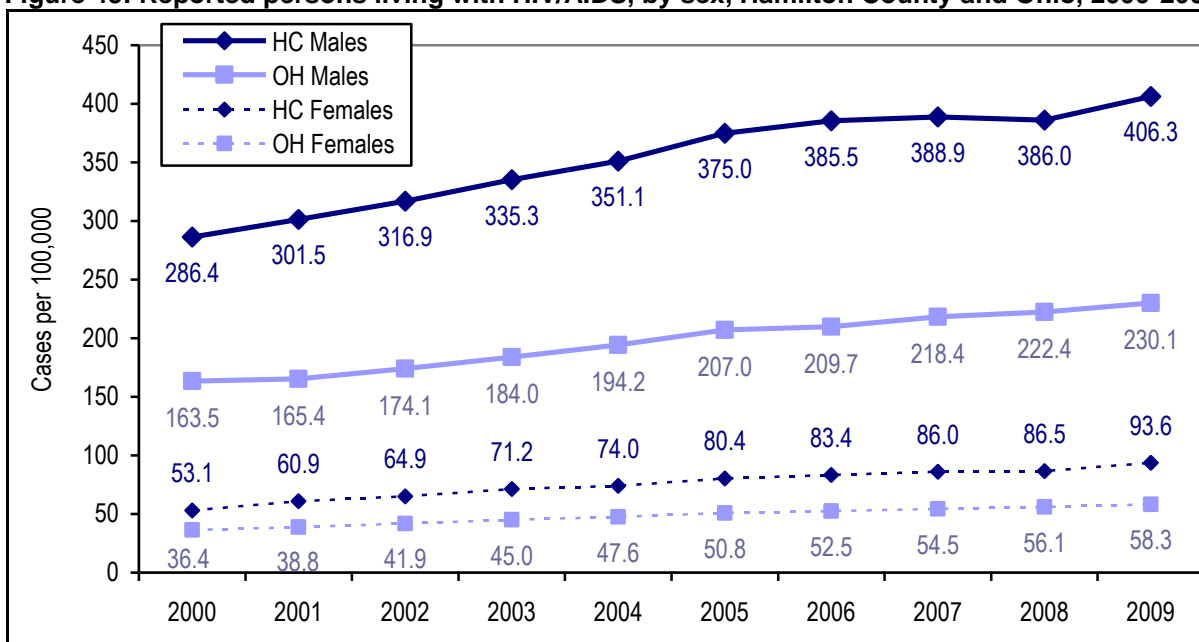
HIV/AIDS

Figure 44: Reported Persons Living with HIV/AIDS, Hamilton County and Ohio, 2000-2009



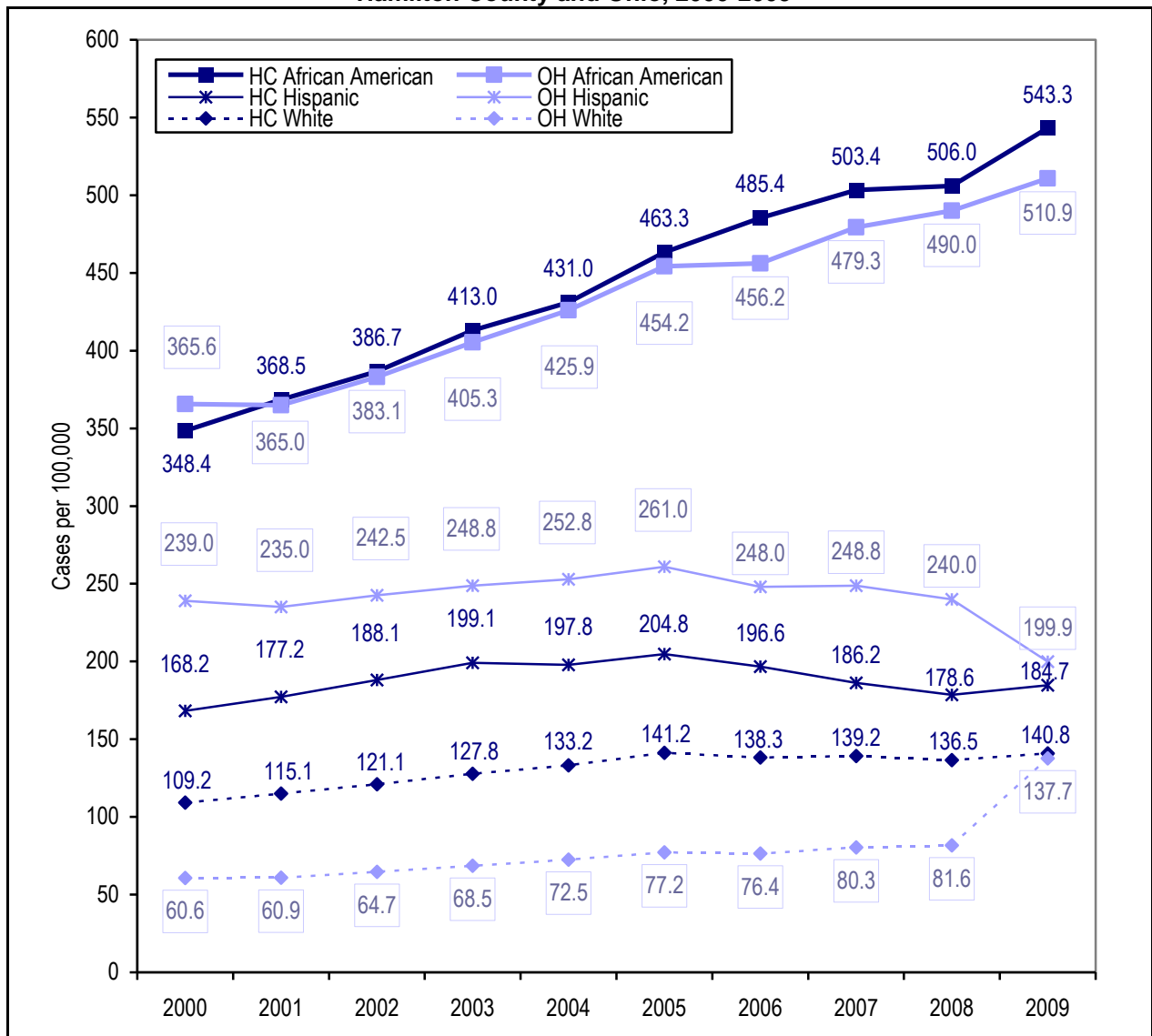
Source: Ohio Department of Health HIV/AIDS Surveillance Program.

Figure 45: Reported persons living with HIV/AIDS, by sex, Hamilton County and Ohio, 2000-2009



Source: Ohio Department of Health HIV/AIDS Surveillance Program.

Figure 46: Reported persons living with HIV/AIDS, by race/ethnicity, Hamilton County and Ohio, 2000-2009



Source: Ohio Department of Health HIV/AIDS Surveillance Program.

Cancer Rates

Female Breast Cancer

Table 40. Female breast cancer rates*, by race, Hamilton County and Ohio, 1996-2007

Population	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
HC Total population	131.5	132.3	144.5	149.0	142.0	140.1	140.1	125.5	122.0	114.8	120.3	116.4
HC White	133.5	137.1	146.3	149.4	145.5	143.7	141.1	117.8	125.0	109.1	118.4	117.1
HC Black	113.3	103.9	129.1	137.9	133.8	115.7	118.3	123.6	108.0	126.1	120.5	97.0
OH Total population	123.5	130.5	134.5	136.4	129.6	126.3	123.6	116.8	122.1	120.2	118.9	117.7
OH White	122.5	129.1	132.9	135.1	128.5	124.8	120.9	113.8	121.0	118.4	117.2	117.3
OH Black	115.3	118.9	128.2	122.0	115.6	110.9	114.7	107.8	122.0	125.1	121.3	110.0

* Per 100,000 women in the population, age-adjusted using 19 age groups.

Source: Ohio Department of Health Information Warehouse.

Cervical Cancer

Table 41. Cervical cancer rates*, by race, Hamilton County and Ohio, 1996-2007

Population	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
HC Total population	9.3	8.9	10.5	7.8	7.4	8.3	8.3	8.3	7.1	7.1	4.0	5.0
HC White	9.2	8.4	8.4	8.0	7.3	8.4	5.2	7.8	7.0	5.9	4.5	3.5
HC Black	10.3	13.1	18.2	8.5	9.0	7.1	18.4	10.8	8.6	11.3	n/a	7.5
OH Total population	9.4	9.5	9.6	8.9	8.8	7.8	7.9	8.1	7.8	8.1	8.3	7.5
OH White	9.4	9.5	9.4	8.8	8.6	7.6	7.6	7.6	7.7	8.1	8.2	7.4
OH Black	9.7	10.3	11.4	10.0	9.9	7.2	9.2	10.0	8.5	8.4	8.9	8.8

* Per 100,000 women in the population, age-adjusted using 19 age groups.

Source: Ohio Department of Health Information Warehouse.

Ovarian cancer rate

Table 42. Ovarian cancer rates*, by race, Hamilton County and Ohio, 1996-2007

Population	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
HC Total population	12.7	14.8	12.4	16.7	12.8	11.3	11.2	12.3	10.5	10.4	9.9	9.4
HC White	15.2	17.0	14.0	18.1	13.9	12.7	11.9	13.1	12.2	11.5	10.2	10.3
HC Black	n/a	5.0	6.4	12.2	7.5	5.2	8.5	6.6	5.1	6.1	5.4	6.6
OH Total population	13.3	13.6	13.8	13.9	13.2	12.5	13.1	13.6	11.9	12.3	11.8	12.0
OH White	14.0	13.9	14.5	14.4	13.5	12.9	13.4	13.8	12.5	12.4	12.0	12.2
OH Black	8.0	8.9	6.7	9.2	8.8	8.6	9.6	9.6	6.2	10.5	9.3	9.7

* Per 100,000 women in the population, age-adjusted using 19 age groups.

Source: Ohio Department of Health Information Warehouse.

Uterine cancer rate

Table 43. Uterine cancer rates,* by race, Hamilton County and Ohio, 1996–2007

Population	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
HC Total population	18.4	21.1	26.9	24.4	22.8	25.5	23.6	20.5	25.3	24.4	22.1	25.6
HC White	20.5	23.7	28.4	23.8	24.3	26.8	23.8	21.4	28.3	26.5	24.2	25.5
HC Black	9.9	11.7	20.9	23.9	19.0	20.9	22.4	15.2	15.1	18.0	16.7	25.1
OH Total population	26.1	25.9	28.2	27.2	26.9	26.9	25.8	25.3	26.9	28.2	26.5	27.7
OH White	27.1	27.1	29.0	27.8	27.5	27.4	26.4	26.2	27.3	28.6	27.1	27.9
OH Black	14.8	15.2	18.1	18.2	19.9	19.7	19.1	14.1	19.4	20.6	19.8	23.9

* Per 100,000 women in the population, age-adjusted using 19 age groups.

Source: Ohio Department of Health Information Warehouse.

Testicular cancer rate

Table 44. Testicular cancer rates,* by race, Hamilton County and Ohio, 1996–2007

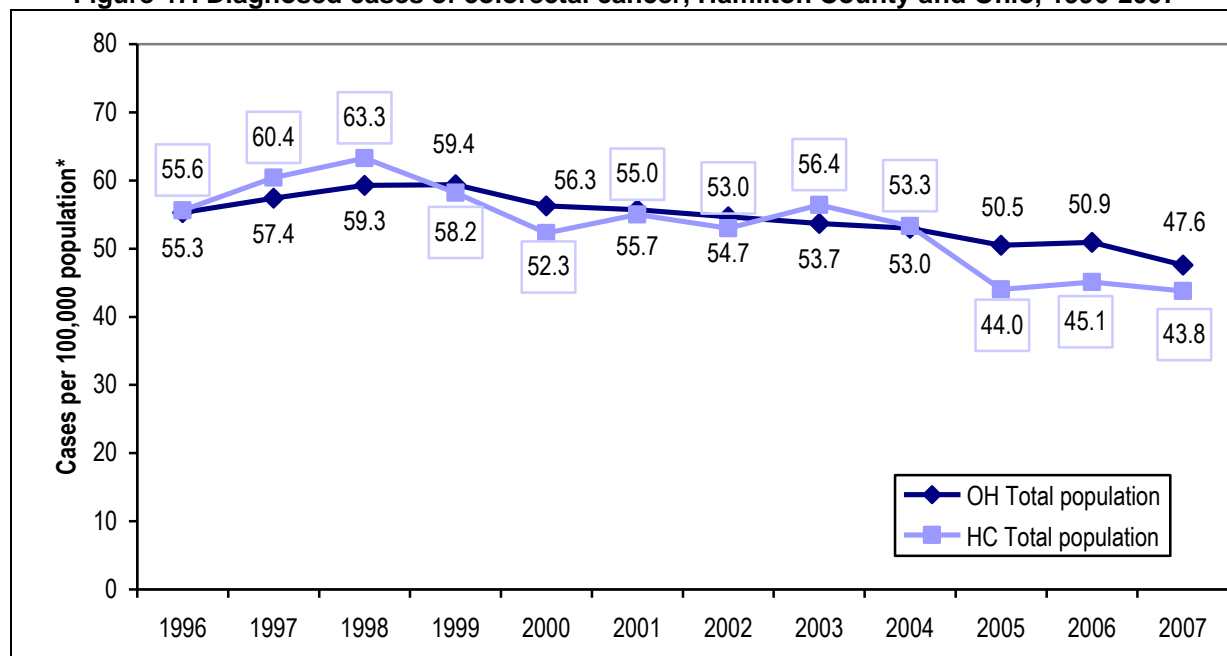
Population	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
HC Total population	5.1	5.7	4.5	6.4	4.9	5.6	3.9	5.4	3.7	5.3	6.2	4.1
HC White	6.1	6.3	5.1	7.7	6.1	7.0	4.9	6.2	4.4	6.5	7.7	4.7
HC Black	1.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
OH Total population	5.5	5.0	4.9	5.2	5.6	5.4	5.8	5.3	5.3	5.8	6.6	5.3
OH White	5.9	5.3	5.3	5.8	6.1	5.9	6.2	5.7	5.6	6.2	7.4	5.7
OH Black	1.7	1.8	2.1	1.0	1.1	1.3	2.4	2.0	1.8	1.9	1.6	2.0

* Per 100,000 men in the population, age-adjusted using 19 age groups.

Source: Ohio Department of Health Information Warehouse.

Colorectal Cancer

Figure 47. Diagnosed cases of colorectal cancer, Hamilton County and Ohio, 1996-2007



*Age-adjusted using 19 age groups.

Source: Ohio Department of Health Information Warehouse.

Table 45. Colorectal cancer rates*, by race and gender, Hamilton County, 1996-2007

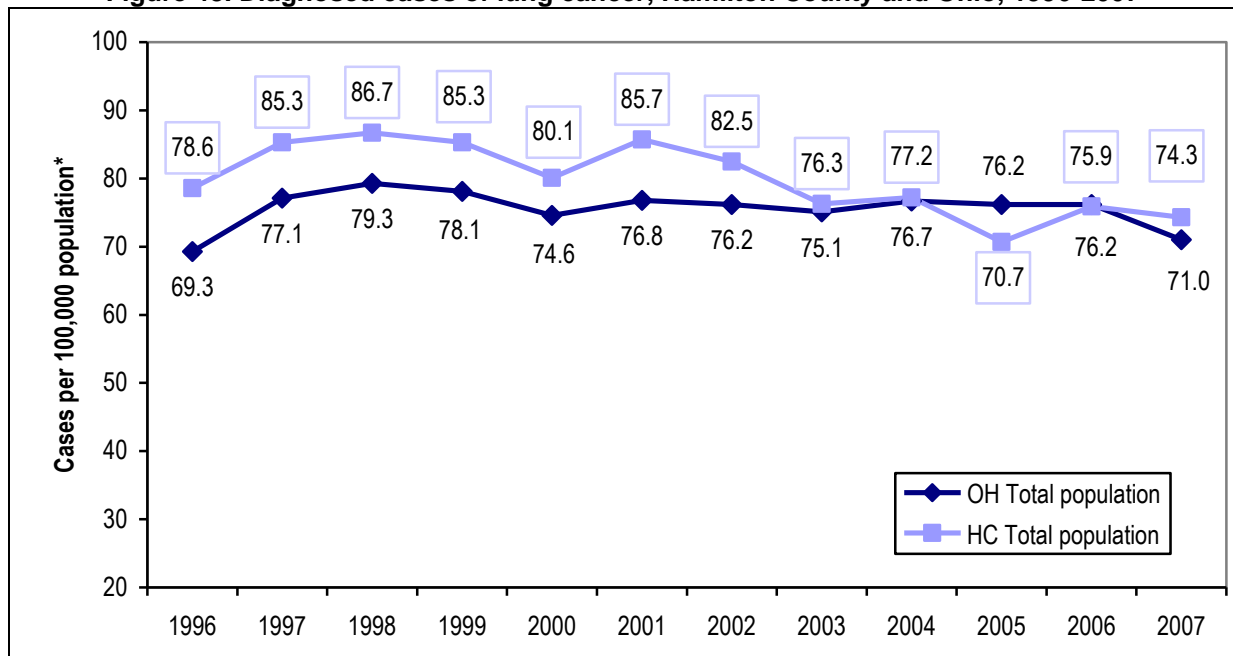
Population	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Total population	55.6	60.4	63.3	58.2	52.3	55.0	53.0	56.4	53.3	44.0	45.1	43.8
White	54.8	61.3	64.6	56.2	51.0	53.4	51.6	54.1	49.8	41.3	43.8	40.5
Black	58.8	60.7	57.2	67.7	54.7	60.1	55.2	65.3	61.9	52.9	44.6	50.0
White Men	66.5	77.5	74.1	71.7	59.5	62.5	62.1	65.7	54.6	51.2	54.0	46.7
Black Men	66.5	83.9	73.9	91.8	39.3	77.2	56.6	76.8	80.3	53.1	57.8	59.3
White Women	47.4	49.4	58.3	45.9	45.0	45.2	44.6	46.3	46.1	33.5	37.6	35.8
Black Women	56.1	47.3	46.6	50.9	63.6	48.0	55.2	56.6	50.6	52.5	36.2	44.9

* Per 100,000 population, age-adjusted using 19 age groups.

Source: Ohio Department of Health Information Warehouse.

Lung cancer rate

Figure 48. Diagnosed cases of lung cancer, Hamilton County and Ohio, 1996-2007



*Age-adjusted using 19 age groups.

Source: Ohio Department of Health Information Warehouse.

Table 46. Lung cancer rates*, by race and gender, Hamilton County, 1996-2007

Population	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Total population	78.6	85.3	86.7	85.3	80.1	85.7	82.5	76.3	77.2	70.7	75.9	74.3
White	73.3	82.6	87.2	79.4	78.5	81.8	80.8	72.3	73.0	66.0	74.2	74.8
Black	104.1	100.0	86.4	113.3	91.7	104.7	96.4	92.9	95.6	91.5	85.0	73.5
White Men	96.0	101.2	106.0	97.8	85.7	100.0	95.6	83.8	90.5	76.9	91.4	88.7
Black Men	159.3	120.6	120.3	165.6	135.8	186.7	112.9	113.7	124.1	134.1	111.1	99.3
White Women	58.2	73.1	76.8	68.1	74.0	69.7	71.2	66.8	62.6	57.8	61.6	64.3
Black Women	70.1	88.9	66.6	82.2	65.7	55.3	85.5	79.1	77.1	66.1	68.0	58.2

* Per 100,000 population, age-adjusted using 19 age groups.

Source: Ohio Department of Health Information Warehouse.